

LEE KUAN YEW GOLD MEDAL

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In 1995, the Chinese Newspapers Division of Singapore Press Holdings and Sony Systems Design International Pte Ltd jointly produced a CD-ROM on then Senior Minister, Mr Lee Kuan Yew. With the consent of Mr Lee, the net proceeds from the sale of 100 gold-plated CD-ROMs and 20,000 copies of the CD-ROM together with a TransitLink fare card were donated to the Universities Endowment Fund in 1996 to establish the Lee Kuan Yew Gold Medals.

Commanding the greatest respect by virtue of the name of the award, the gold medals are presented to NTU graduates who have demonstrated academic excellence. 1996 saw the first ten NTU recipients of the award, and thereafter, numerous NTU graduates who emerged top in their respective programmes have been bestowed the prestige of the Lee Kuan Yew Gold Medals.

This year, the gold medals will be awarded to 37 top NTU students who are first in general proficiency throughout their respective programmes of study and who have obtained Honours (Highest Distinction).

Abhigyan Singh
Bachelor of Engineering (Computer Engineering)

Abhigyan Singh is a dynamic and accomplished individual, who proudly holds a Bachelor's degree in Computer Engineering. Abhigyan consistently excelled, maintained an exceptional cumulative GPA of 4.95/5, and earned a place on the esteemed Dean's List.

Complementing his outstanding academic record, Abhigyan actively immersed himself in various co-curricular activities, taking on pivotal roles, such as Treasurer for IEEE NTU branch, and Logistics Head in the Sikh Society. With a passion for pushing boundaries, he embarked on an exciting Final Year Project that delved into the realm of AI, aiming to efficiently charge Li-ion batteries. This project showcased his knack for blending his expertise with innovations that could revolutionise the industry.

Abhigyan's professional journey further flourished through notable internships at renowned organisations, including Boston Consulting Group, Shopee, and Bank of America, where his dedication and exceptional work garnered praise and got him offers from all three companies.

Now poised to embark on a new journey as a TradeOps Analyst at Hudson River Trading (HRT), Abhigyan eagerly seeks to apply his analytical acumen and problem-solving prowess in a dynamic and intellectually stimulating environment.

Amber Qua Pei Tze
Bachelor of Communication Studies

Driven by her unwavering curiosity, Amber's exceptional academic record throughout her four-year candidature at the Wee Kim Wee School of Communication and Information, led her to graduate with Honours (Highest Distinction) from the Bachelor of Communication Studies. A two-time Dean's List recipient in AY2019 and AY2020, Amber was also awarded the OCBC Book Prize for attaining the highest GPA in her cohort in AY2021.

Beyond the classroom, Amber strives to make a positive impact on the community by supporting local charity Free Food For All in their outreach as a Marketing Assistant, along with volunteering at Willing Hearts and ACRES. She also serves as a tutor, providing free tuition to students from less privileged backgrounds.

Her passion for media and public policy drove Amber to excel in relevant courses and secure a digital marketing internship at the Government Technology Agency. There, she developed compelling content and collaborated with stakeholders to promote data literacy in the Singapore public sector. Inspired by her experiences, Amber aims to continue contributing to the Public Service through innovative media policy research and development.

Au Jun Wen, Nicole
Bachelor of Fine Arts in Design Art

Nicole has achieved the accomplishment of graduating with Honours (Highest Distinction), consistently earning a place on the Dean's List from AY19/20 to AY21/22.

In her Final Year Project, Nicole embarked on a journey to relearn colour symbolism through unique perspectives. Through insightful interviews with eight individuals with color vision deficiency, she created eleven publications that documented the experiences of these individuals. She also crafted ten 3D printed textural sculptures as part of the outcome.

Following her passion, Nicole will join a creative studio that focuses on brand expression, allowing her to further develop her skills as a designer. In the long run, she also has plans to further her education to pursue a postgraduate degree.

Nicole had the privilege of being chosen as the valedictorian for the School of Art, Design, and Media. During the opening night of the ADM graduation show, Nicole delivered a speech addressing the public, as well as the friends and family of the graduating class of 2023. She will also have the honour of delivering another valedictory speech during the convocation ceremony.

Carissa Yuwono Kwantalalu
Bachelor of Science in Biomedical Sciences and BioBusiness
Awarded for Biomedical Sciences Programme

Carissa has attained the Degree of Bachelor of Science in Biomedical Sciences and BioBusiness with Honours (Highest Distinction), as part of the inaugural batch of the Double Major Programme. During the course of her study, she was placed on the Dean's List for her excellent academic performance in AY2019/2020 and AY2020/2021. In 2022, Carissa completed her exchange programme in Copenhagen Business School's MSc in Business Administration and Bioentrepreneurship Programme with stellar results. In pursuit of honing her skills in research, she concluded her degree with the completion of her Final Year Project on the development of novel nanobody-drug conjugates for precision cancer immunotherapy.

On top of her academic achievements, Carissa also participated actively in extracurricular activities in the Biological Sciences Club as an Honorary Financial Secretary, as well as an Events and Business Committee member during her time in SBS.

Upon graduation, she will pursue a career in the Life Science industry, where she will be able to explore emerging technologies in Cell and Proteomics Biology, while furthering her horizons and expertise at the interface of Business and Biology.

Chan Ming Yi

Double Degree in Bachelor of Engineering (Aerospace Engineering) and Bachelor of Social Sciences in Economics

Awarded for Bachelor of Social Sciences in Economics

Chan Ming Yi was awarded the Nanyang Scholarship to pursue a double degree in Aerospace Engineering and Economics. She excelled academically with continual placements on the Dean's List for both disciplines. With a great interest in virtual & augmented reality technology, she co-authored a research paper published in *Interactive Learning Environments*, a leading education journal.

Apart from academic endeavors, she was a member of the NTU Women's Floorball Team and represented the university in major competitions. Besides, she held the position of president of the NTU Floorball Club and vice president of the NTU Management Consulting Club. Outside of school, she has taken up internships with Accenture, Unilever, and J.P. Morgan.

Upon graduation, she will be joining one of the leading strategy consulting firms as a business analyst. She is grateful to NTU for providing a wonderful learning environment and learning tools to build a solid foundation in Aerospace Engineering and Economics.

Chan Mu En

Bachelor of Science in Biological Sciences

Mu En is graduating with Honours (Highest Distinction), with a second major in Medicinal Chemistry and Pharmacology. He was able to maintain an excellent academic track record throughout his studies in NTU, being placed on the Dean's List in AY2019/2020 and AY2020/2021. He has also completed the Undergraduate Research Experience on Campus (URECA) and the Final Year Project (FYP), which investigated biocontrol agents to tackle root rot in urban trees, both under the mentorship of Dr. Hong Yan. He was awarded the Best Poster Presentation for FYP, and the results of his research are currently under review for publishing in the *Journal of Fungi*.

Apart from academic achievements, Mu En has also been involved in main committee and subcommittee roles in various co-curricular activities, such as the NTU Visual Arts Society, SBS Biohackathon Committee, and Hall 15 Publications and Publicity committee.

Being an avid gardener, Mu En's experience in URECA and FYP has further stoked his passion in plant biology related research. He will be nurturing and exercising this passion from July, where he will be employed in the NParks Plant Science and Health Division.

Chee Jian Li Benny
Bachelor of Arts in Philosophy

Benny CHEE is an excellent philosophy student with a second major in Psychology. In 2018, 2019, 2020, and 2021, he was placed on the Dean's List. In 2018, 2019, and 2020, he won the SoH Book Prize. In 2020-2021, he completed a URECA project concerning whether philosophy makes progress. There, he argued that Philosophy does not progress by identifying truths, but rather by furthering understanding. His Final Year Project concerned the importance of empathy. He argued that contrary to popular belief, empathy is limited in the kind of access it provides to others. He was also involved in a number of co-curricular activities, including being the President of the Nanyang Philosophy Club, a Chairperson of the NTU Guitar Ensemble, and an SoH Student Ambassador.

Cheng Zhengxing
Bachelor of Science in Mathematical Sciences

Zhengxing graduated from the programme of Mathematical Sciences with a near-perfect CGPA of 4.98. His exceptional academic performance, research contributions, and participation in prestigious competitions exemplify his dedication and passion for mathematics. Zhengxing participated in the HUAWEI Cloud Spark Hackathon Singapore 2022, and his team's exceptional performance resulted in them securing the Second Runner-up position in the final competition.

Zhengxing undertook a challenging FYP project titled "Optimal Mean-Variance Portfolio Selection with Mean-Field Reinforcement Learning." In this project, he implemented a novel mean-field reinforcement learning framework to find the optimal strategy for the multi-period mean-variance portfolio problem in discrete time space. His work exemplifies his deep understanding of mathematical concepts and his ability to apply them to real-world scenarios.

Cheng Zhengxing has accepted an admission offer for the Master's program in Statistics at the University of Berkeley, California. His decision to pursue further studies in the field of statistics underscores his dedication to expanding his knowledge and making significant contributions to the discipline. His exemplary performance serves as an inspiration to his peers and future mathematicians alike.

Chew Wei Sheng

Bachelor of Science in Mathematics & Computational Thinking and Education

Wei Sheng is graduating with Honours (Highest Distinction). He participated in a Youth Expedition Programme trip to Sikkim, India and a study trip to Brisbane, Australia, which gave him valuable insights into different education systems around the world.

For his NTU URECA project, he explored the possibility of teaching secondary school students the solutions of quadratic equations using a method developed by Dr Po-Shen Loh. In his Final-Year Project, he investigated various methods developed throughout history to solve Pell's equation. He took on the role of President of Club Jeux, NIE's board games club in his second year of studies, where he successfully organised virtual events for student teachers amidst disruptions caused by the COVID-19 pandemic.

Outside of NIE, Wei Sheng was heavily involved in Hall activities. He served as the Recreational Games Director of Pioneer Hall in his first year of study, and continued to contribute to various Hall subcommittees throughout his four years in Hall. Together with his teammates, he has won several medals in NTU's Inter-Hall Recreational Games, for example, in Chinese Chess, Weiqi and Carrom. Wei Sheng's passion for gamification and game-based learning in the teaching of Mathematics leads to his ongoing commitment to create engaging educational experiences for the learners in his classroom.

Chong Kian Chee

Bachelor of Engineering (Bioengineering)

Chong Kian Chee is a Bioengineering student passionate about applying engineering skills to solve biological problems. He excelled academically during his 4-year undergraduate program, earning a place on the Dean's List in AY2020-2021. His active participation in various research labs contributed significantly to academia. Under the guidance of Prof Manojit Paramanik, he completed his Final Year Project on applying machine learning to estimate tissue optical properties. He published this work as a first author in the peer-reviewed journal, Biomedical Optics Express. During his internships at Thermo Fisher and the Singapore Eye Research Center, he showcased his strong numerical and biological skills, pushing the boundaries of healthcare.

Apart from academics, he has demonstrated leadership and a strong passion for volunteering. He chaired the charity event Home Visit 2019, visiting old folks' homes and disabilities centers during the Christmas season. Additionally, he served as the business manager for the Asia Pacific Chinese Debate Competition, in which he was awarded the "Mr and Mrs Kwok Chin Yan Award for Student Initiative (Special Mention)."

Currently, he works as a research officer at the Bioinformatics Institute, A*STAR, aspiring to understand diseases and accelerate drug discovery using computational methods.

Chua Bing Hong

Bachelor of Science in Environmental Earth Systems Science

Chua Bing Hong is graduating with a BSc in Environmental Earth Systems Science with Honours (Highest Distinction), with a minor in Physics. As a CN Yang Scholar, he was heavily involved in research across various disciplines. He was awarded the CY1400 Undergraduate Research Experience Award in 2020 for his project on petrology, and presented his work on magma dynamics at the American Geophysical Union Conference, 2021. Following his research passion, Bing Hong undertook an Overseas Final Year Project at NASA's Jet Propulsion Laboratory in 2022, working on planetary thermodynamics and interiors. His work here is currently under review for publication. Having served as a Teaching Assistant, Bing Hong appreciates the value of education and enjoys the process of nurturing curiosities in others.

Bing Hong will be pursuing a PhD in Planetary Science at the University of California, Los Angeles. He intends to join a rare breed of Singaporeans who have ventured into broadening our understanding of the planets and the universe. He hopes to inspire and nurture others to also ponder about life's big questions.

Chua Ji Xiang

Bachelor of Engineering (Information Engineering & Media)

Chua Ji Xiang, an accomplished student and NTU scholarship recipient, will graduate with Honors (Highest Distinction). Throughout his academic journey, Ji Xiang has exhibited exceptional qualities such as meticulousness, and a results-oriented mindset, earning him a well-deserved spot on the Dean's List for three consecutive years. With a growing interest in software engineering, he actively participated in hackathons organised by renowned organisations like Shopee and DSTA. Notably, he secured an internship at Creative Technology, where he contributed to the application team's efforts in developing user-centric features.

Ji Xiang truly shined in his Final Year Project when he recognised the adverse impact of the pandemic on the Food and Beverage (F&B) industry. He developed a Food social media app for users and F&B businesses to share and promote food-related multimedia, fostering greater awareness and generating valuable business opportunities. Following graduation, Ji Xiang aims to pursue a software engineering career where he hopes to continue making positive impact in everyday lives. He plans to gain practical experience before pursuing a Master's Degree in Computer Science and Artificial Intelligence.

Er Jun Jia

Bachelor of Engineering Science and Master of Science in Technology Management *Awarded for Bachelor of Engineering Science*

Er Jun Jia is a graduate of the 8th batch of the Renaissance Engineering Programme (REP). He had an impressive academic track record and was on the Dean's List for two years in AY2018 and AY2021. He completed the programme with Honours (Highest Distinction).

Jun Jia is passionate about artificial intelligence and has excellent programming skills and knowledge. He received excellent reviews from his internship organisations during his REP education. He participated in the 2019 Singapore-India Hackathon, which challenged participants to tackle one of three themes from the United Nations 2030 Sustainable Development goals: Education, Healthcare and Environment. His team emerged as one of the top five teams under the category 'Quality Education', when and they developed 'Teach.AI': A computer-vision powered teaching assistant to tackle the problem statement of automating real-time teaching feedback. This assistant comprised computer vision features, such as facial recognition, emotion classifier, and human pose estimation. He also participated actively in the NTU Business Solutions Case Club.

Jun Jia is thankful for the opportunities he has had during his REP journey. He is currently working as a Software Engineer at Zenith Education.

Foo Min Sheng

Bachelor of Social Sciences in Sociology

A strong believer in building a fair and inclusive society, there is no doubt that Min Sheng has made a difference to society, in addition to his stellar academic and work performance. He dedicated himself to important and meaningful work in his internship with the Singapore Police Force, researching ways in which sexual crimes case management practices could be further improved upon.

Further, he conducted impactful groundwork in his term as a community work intern with Beyond Social Services. On top of these internships, the NTU-USP scholar juggled multiple leadership roles in the NTU-USP Club, NTU Sociological Society, and Kaleidoscope, and made it onto the Dean's List for three consecutive years while maintaining a GPA of 4.70/5.00.

Min Sheng's passion also shines through in his volunteer work, serving children, elderly, lower-income families, and rough sleepers. For his fundraising initiative, the Five Cents Project, he was nominated for the Singapore Silent Heroes Award and was even invited to speak at a TEDx event. Having found fulfilment in serving the community, Min Sheng has decided to pursue a career in public service. He looks forward to leveraging on his training as a sociologist, and continuing the good work of building a fair and inclusive society for all.

Ho Zhi Yuan**Bachelor of Arts in Chinese**

Ho Zhi Yuan is a graduate with a Bachelor of Arts in Chinese from the School of Humanities, with a Minor in Thai Language. She has had an exemplary academic record, being placed on the Dean's List for three consecutive years in AY2019, AY2020 and AY2021, and completing the programme with First Class Honors. She is also the recipient of multiple academic awards, such as the Wan Boo Sow Award, and the Shanghai Book Co. Scholarship for two years.

Zhi Yuan's Final Year Project titled "Soft Power of Rising China in Thailand: Case Studies of Confucius Institutes and Chinese Popular Culture", analyses how Chinese soft power is causing Thai society to undergo "re-Sinicisation". A highly-motivated student with an eye for detail, Zhi Yuan also has a passion for debate, and has been instrumental in organising the 10th Asia Pacific Intervarsity Chinese Debate.

Isaiah Christopher Lee Xin En**Bachelor of Arts in English Literature and Art History*****Awarded for English Programme***

Isaiah's commitment to the humanities and his aspirations to be an active stakeholder in the local arts community is exemplary. He is the Managing Director of The CreativeWerkz, which he founded in 2019; Artistic Curator and Stage Director at New Opera Singapore, where he teaches acting; co-founder of In The Round: Network of Emerging Theatre Directors; he also guest lectures at the Nanyang Academy of Fine Arts. He served as Artist-in-Residence with Centre 42, and his work as a playwright was showcased in the Esplanade's HuaYi Chinese Festival of the Arts in 2021.

As a theatre practitioner, Isaiah has also worked on collaborative projects that received support from the National Arts Council, the Arts Fund, and the National Youth Council. As an English-Art History major, Isaiah plans to further explore collaborative interdisciplinary creative projects in the Asian region, and he is keen to share his knowledge and expertise with the local community.

Kelly Sng (Sun Jiayi)**Bachelor of Arts in English Literature and Education**

Kelly is graduating with Honours (Highest Distinction). Kelly has achieved academic excellence in her English Literature courses and studies in general during her time in NIE. She is an avid reader with a passion for the written word, and has shown much intellectual curiosity and demonstrated high analytical ability. When undergraduates could not go abroad for semester exchange as a result of the Covid-19 pandemic, Kelly was specially chosen to participate in an exchange programme with the National University of Singapore (NUS). She spent an enriching semester there, where she was able to read specialist courses which piqued her interest, including one on science fiction. Fluent in Japanese, she also took a course which allowed her to read classic Japanese works.

In her second year, Kelly completed a URECA project on crime fiction, while in her third year, she was awarded the Dean's Commendation for Undergraduate Educational Research. She presented her Education Research study — "The World was Fleshed Out A Bit Better: Supporting Extensive Reading with Culturally Relevant Books" — at an international conference, the AsiaTEFL Conference, in August 2022. In 2023, Kelly went on a study trip to Australia with fellow NIE students to visit a range of schools catering to students at varying levels of academic progress. As a group leader on the trip, she helped to rally her team to complete pre-trip activities like preparing a mini-conference presentation on Singapore culture for Griffith University, and creating a short Kahoot quiz on Singapore for students at Yarranlea Primary School. In terms of extra-curricular activities in NTU-NIE, Kelly was a member of Club Jeux, the board games club, and was in charge of logistics for the club in Year 2. The Club organised the Digital Game of the Month (schoolwide Brawl Stars competition) in September 2021, as well as other intra-CCA bonding activities. Kelly also served on the Orientation Planning Management Committee (OPMC) as one of the scriptwriters for the Transition Orientation Programme (TOP) in 2020. The committee conceptualised the storyline for TOP, wrote the scripts for a series of videos, and participated in the filming of the videos used for Orientation.

Kevin Wong Chang Zheng**Bachelor of Business**

Kevin's illustrious scholastic achievements, epitomised by his prestigious Max Lewis Scholarship and consistent placement on the Dean's List in successive academic years, attest to his resolute commitment and remarkable intellectual acumen. Maintaining an impeccable GPA, he upholds the zenith of scholastic excellence. Recognised for his exemplary academic performance, Kevin became a Peer Tutor for Marketing Analytics for consecutive semesters, imparting his expertise and aiding fellow students in grasping intricate concepts.

Kevin's accomplishments transcend the conventional boundaries of academia as he engages in multifaceted extracurricular pursuits. As a subcommittee member of the Accountancy and Business Club, he showcases exceptional organisational skills in

orchestrating meticulously planned NBS events. Furthermore, his active participation in case competitions demonstrates his exceptional analytical aptitude and strategic acumen. Notably, he emerged triumphant in the esteemed Cartier Case Competition, during which he presented an erudite pitch to the Cartier executives.

Currently employed at Billigence, Kevin is driven by his profound insights and unwavering ardor for data-driven decision-making. He aspires to revolutionise the realm of business analytics by leveraging his expertise, relentless pursuit of knowledge, and visionary utilisation of cutting-edge technology.

Lee Jinhen**Bachelor of Engineering (Electrical & Electronic Engineering)**

Jinhen completed his Bachelor of Engineering (Electrical and Electronic Engineering) degree in 2023. He is a recipient of the NTU ASEAN Scholarship and was on the Dean's List for three consecutive years.

Jinhen is passionate in research. He participated in the Undergraduate Research Experience on Campus (URECA) programme for three years, and was admitted to the inaugural batch of the EEE Research Apprentice Program (RAP). He worked on a power management integrated circuit (PMIC) design, and altogether, published five first-authored papers in the International Symposium on Circuits and Systems (ISCAS), the flagship conference of the IEEE CAS society. He is forever grateful to Professor Joseph Chang, Professor Chan Pak Kwong, Dr Victor Adrian, and Dr Gao Yuan (IME, A*STAR) for their relentless support and valuable guidance.

Academics aside, Jinhen was active in co-curricular activities. He was elected twice into the Management Committee for EEE Club, the largest student body in the School.

Jinhen was recently awarded the Nanyang President's Graduate Scholarship (NPGS) to pursue PhD research supervised by Professor Joseph Chang. Jinhen aspires to make microchips that are more power-efficient and cheaper.

Lim Jun Heng**Bachelor of Medicine and Bachelor of Surgery**

Throughout his years in LKC Medicine, Jun Heng consistently displayed intellectual curiosity and earnestness in the pursuit of the art and science of medicine. He demonstrated academic excellence by being placed on the Dean's List for five consecutive years.

Having benefitted from the efforts of his seniors, Jun Heng was actively involved in medical education, and pays it forward by participating in multiple senior-junior teachings and clinical mock-examinations to enhance the learning of his juniors as part of Medical Society's Academic committee.

Jun Heng is also keenly aware of the central role healthcare plays in shaping societies around the world. As a recipient of the Imperial Elective award, he had the opportunity to attend a 6-week clinical elective with Imperial College London and the National Health Service UK. He has also led mission trips to Kolkata with a focus on uplifting the lives of sex-trafficked women and their children.

As a House Officer in Singapore's public healthcare system, Jun Heng looks forward to applying the skills and knowledge learnt in LKC Medicine to improving the lives of his patients and their loved ones.

Lu Hui Ting
Bachelor of Science (Maritime Studies)

With multiple Dean's List awards, Lu Hui Ting is a Nanyang Scholar who consistently strives for self-improvement and excellence in diverse domains. In 2023, she attained the Undergraduate Research Experience on Campus (URECA) Journal Publication Award for her publication in the International Journal of Shipping and Transport Logistics, where she served as the first author.

Apart from this, she represents the Maritime and Port Authority of Singapore (MPA) as a Youth Ambassador at exclusive maritime events, and in spearheading projects to raise awareness about the maritime industry. Recently, she had the privilege of being the sole youth panellist among esteemed industry professionals across various panels during Singapore Maritime Week 2023. She also holds multiple leadership positions in school clubs, such as the International Trading Club, Maritime Odyssey Camp, and the Welfare Services Club where she partakes in organising, hosting, and facilitating events every year.

As she ends her chapter with Nanyang Technological University, she will be joining Trafigura under their Commodity Trading Graduate Programme in 2023.

Mohamed Sufyan Bin Abdul Sukkur
Bachelor of Engineering (Civil)

Sufyan is an earnest and brilliant civil engineering student. He boasts various academic achievements, despite a more intense academic load with a second major in Society and Urban Systems. Upon admission, he was awarded the Platinum Admission Award and Nanyang Scholarship. In his undergraduate studies, he also received the Dean's List Award for three consecutive years, and four book prizes for modules from both his majors.

As testament to his academic prowess, Sufyan will not only be graduating with the Highest Distinction, he has also been elected as the Valedictorian for the school of CEE. He has also displayed excellent research skills by attaining an A+ for his Final Year Project.

Sufyan's co-curricular experience is rich too. He was the Chairperson for Bridge Design Competition AY21/22, a peer tutor in AY20/21, and has been part of numerous outreach activities across his four years in NTU.

Upon graduation, Sufyan will be working full-time as an Assistant Programme Planning Manager at LTA, being one step closer to his long-term aspirations of meaningfully contributing to urban planning in Singapore and globally.

Ng Jing Yang
Bachelor of Science in Physics

Jing Yang finds a deep understanding in all the problems he tackles, including both accurate quantitative analysis and consistent qualitative reasoning. This understanding frequently leads him to alternative and interesting solutions. It further allows him to explain complicated concepts clearly and consistently, which is why he has often been the one that others turn to for advice when they are stuck on physics problems.

In his Final Year Project, he developed a theoretical proposal for exciton-polariton condensate transistors. He first developed an analytical model for the description of isolated nonlinear modes, studying their stability, and extended the model to account for multiple modes in the weak coupling limit. He further used non-Hermitian concepts to employ a unidirectional coupling scheme to design a perceptron as a fundamental element of an optical neural network. He is now planning to pursue a PhD in theoretical exciton-polariton physics.

Ong Wen Jun, Joel
Bachelor of Engineering (Environmental Engineering)

Ong Wen Jun Joel is an Environmental Engineering student passionate about the energy industry, focusing on renewable energy transition. A bright and hardworking student, Joel was placed on the Dean's list twice and won the CEE book prize for three modules. Joel will be graduating from NTU with a CGPA of 4.92.

Outside of the classroom, Joel was the Consulting Director for 180 Degrees Consulting Nanyang, where they delivered pro-bono consulting services to Non-Profit Organisations. Additionally, Joel was the Co-Chairperson for NTU Outdoor Adventure Club Trek subcommittee, leading the team in overseas mountain trekking expeditions.

Always professional, Joel has a diversity of internship experiences, ranging from Project Management, Strategy Consulting to Civil Engineering. Joel interned at iQuartz (10 months), Arup (5 months) and Envision Digital (19 months). Through these experiences, Joel learned how to navigate the corporate world while making meaningful contributions to his teams. Upon graduation, Joel will be joining Rystad Energy as a Management Consultant focusing on renewable energy consulting.

Ooi Jia Min

Bachelor of Engineering (Mechanical Engineering)

Ooi Jia Min has consistently demonstrated a remarkable dedication to her studies, achieving academic excellence by securing three consecutive placements on the Dean's List in AY19/20, AY20/21, and AY21/22. Her exceptional academic performance has also been recognised through the United Engineer Book Prize awarded to her in 2023. This accolade celebrates her outstanding academic achievements and her active involvement in various extracurricular pursuits.

Ooi Jia Min was an active member in the Rotaract Club of NTU, where she has held various leadership positions for the past years. Aside from being part of the EXCO of the club to manage general administrative work, she was also involved in organising and volunteering in community events of the club. Her exceptional commitment is evident in her effort as part of the organising committee to plan educational activities aimed at encouraging reading among children. By recognising the power of education to effect positive change, she embodies the true spirit of leadership and service.

Ooi Jia Min has recently embarked on an exciting journey in the software automation industry, where she aspires to contribute her skills and expertise to create innovative solutions with transformative societal impact. By immersing herself in this dynamic field, she is eager to drive positive change through technological innovation.

Patrick Louie Soetarso

Bachelor of Engineering (Materials Engineering)

Patrick performed exceptionally well in all subjects throughout his studies at NTU. He was always on the Dean's list, which means he was consistently in the top 5% of his cohort. He was also the awardee of the NTU Class of 1985 Scholarship from 2020 to 2022. And on top of that, as an Accelerated Bachelor Programme student, he completed his study in only 3.5 years. During that short period, he also managed to achieve the requirements to specialise in Nanoscience and Nanotechnology.

Besides his proven academic excellence, he showed the capacity for teamwork building, resilience, and problem-solving. As the Welfare and Academics Officer for MSE Club and the Logistics Director of CAC NTU Piano Ensemble during the COVID-19 pandemic, together with his team, they managed to find ways to hold events despite all the COVID-19 restrictions.

With commendable performances in his Undergraduate Research Experience on Campus (URECA) project and Final Year Project, Patrick has a bright career ahead. He has embarked on his career as a Process Support Engineer at Applied Materials.

Priyadharshini D/O Chockalingam
Bachelor of Social Sciences in Psychology

Priya's passion to understand the mechanisms of the human mind is what motivated her to major in Psychology. Often described as passionate, cheerful, and lively, Priya has spent her university life colourfully, taking up multiple leadership roles both in the University Scholarship Programme and in various student committees. For instance, she served as the Chairperson for the 8th elections committee and for the 2022 Year End Party committee. She was the Welfare Head for FOP 2020, and oversaw a research project as Group Mentor for Travel Overseas Programme for Scholars 2021.

As a compassionate individual who is highly concerned with social issues, Priya was also an active Volunteer with HealthServe's mental health team, conducting workshops for migrant workers. When the COVID-19 pandemic first hit, she assisted in organising relief efforts for migrant workers at cruise ships and dormitories. In addition, Priya was on the Dean's List from 2020 to 2022, demonstrating consistent and remarkable academic performance with a GPA of 4.85. Her Final Year Project supervisor sings high praises of her, stating that Priya is "one of the best, (if not the best), FYP students [she has] supervised so far in terms of subject mastery, attitude, and aptitude". Priya's aims to pursue Medicine after graduation, and with her training in psychology, she hopes to be a physician who heals with sensitivity and compassion.

Pye Sone Kyaw
Bachelor of Engineering (Computer Science)

Pye Sone Kyaw, a CN Yang Scholar, consistently achieved a remarkable academic performance, earning a place on the Dean's List every year throughout his studies, with a stellar GPA of 4.97/5.00.

As a recipient of the prestigious CN Yang Scholarship, Kyaw immersed himself in a research-intensive and interdisciplinary program, gaining invaluable experience in AI through academic research and industry internships in startup and big tech environments.

Throughout his undergraduate journey, Kyaw pursued internships at Polybee and TikTok, specialising in AI and computer vision. In his Final Year research Project with TikTok, he developed a novel approach for face forgery detection, and took part in a related competition at the CVPR2022 Biometrics Workshop. Kyaw's research pursuits also extend to federated learning and natural language processing, demonstrating his versatility and passion for pushing the boundaries of knowledge.

Building on his exceptional academic achievements and research accomplishments, Kyaw is poised to begin his career as an AI Engineer at GovTech, within the Data Science and Artificial Intelligence Division. This is where he hopes to contribute to 'computer vision for public good' under the Technology Associate Programme.

Rachelle Sim Yahn Yee
Bachelor of Science (Sport Science & Management)

Rachelle graduates from the SSM programme with an Honours (Highest Distinction). She received the EW Barker Scholarship when she entered the university, and specialised in sport science in the last two years of the SSM programme. Rachelle undertook the Undergraduate Research Experience on Campus in her second year, and examined whether caffeine could improve the jump height and sprinting speed of basketball players.

Her passion for sport and fitness extended to her co-curricular activities where she was a Junior Common Room Committee Sports Director, an NTU Sports Club Sports Camp Programmer, and a member of her Hall's basketball squad. Whilst studying, Rachelle widened her skill set relevant to her future aspirations by attending external courses in areas such as Certified Personal Training, First Aid, and Basic Sport Massage. She interned at a personal training gym, bringing in new sales revenue and helping clients to achieve their personal fitness goals. She has accepted a position as a full-time Fitness Trainer and Marketing Executive with the company and aspires to keep upgrading her knowledge and expertise in fitness to impact people's lives.

Raymond Tio
Bachelor of Science in Chemistry & Biological Chemistry

Raymond is an Asean undergraduate scholarship recipient who pursued the Bachelor of Chemistry and Biological Chemistry programme. He maintained a stellar academic performance throughout his undergraduate years. Raymond was placed on the Dean's List for two consecutive years and also completed an exchange stint at Ecole Polytechnique Federale De Lausanne.

Raymond Tio immersed himself in research projects early on in his undergraduate studies, and was involved in a project that focused on targeted therapy using antibody drug conjugates. He has also co-authored a publication in a prestigious scientific journal. His Final Year Project supervisor commended his strong work ethic, collaborative abilities, dedication, and willingness to go the extra mile, which not only contributed to his own success, but also positively influenced his peers in the research team.

While maintaining an excellent academic track record and being actively involved in research projects, Raymond remained actively involved in co-curricular activities and held positions, such as representative of the SPMS welfare sub-committee, member of the symphony orchestra main committee, and member of the SPMS club management committee. Upon graduation, he aims to pursue postgraduate studies, and ultimately plans to have a career in academia.

Soh Ying Qi

Bachelor of Arts in Linguistics and Multilingual Studies

Ying Qi attained a Bachelor of Arts in Linguistics and Multilingual Studies with Honours (Highest Distinction), with a perfect 5/5 GPA, having been placed on the Dean's List for multiple years. A recipient of the NTU-University Scholars Programme Scholarship, she excelled in the programme's multi-disciplinary curriculum and served in the NTU-USP Club.

After her first year of university, she interned at the Infocomm Media Development Authority, working on the National Speech Corpus (NSC), a large-scale database of Singapore English speech. Her work on the NSC sparked a keen interest in the field of sociophonetics, leading her to pursue an original research project under NTU's Undergraduate Research Experience on Campus (URECA) programme, which resulted in a publication entitled "Ethnicity and Tone Production on Singlish Particles", in an academic journal. Her passion for sociophonetics research also saw her work on an innovative Final Year Project on stress as a prestige marker in Singapore English. Upon graduation, she will embark on a policy role at the Ministry of Manpower.

Tay Sze Hwee Jocelyn

Bachelor of Arts in History

Jocelyn Tay is a diligent and enterprising young individual. She not only excels in her academic studies, but has also found ways to advocate a subject which motivates her to greater success: disability studies. Jocelyn is an exemplary student who believes in and endeavours to make the world a better place. While the majority of students is in the midst of concerns about how well they do in their studies and uncertain about their future plans following their stint in tertiary education, Jocelyn has followed her passion and involved herself in research projects. She is presently working as a research assistant for Professor Victor Zhuang. To date, she has already published one book chapter and contributed to three accepted papers as a joint author with her supervising principal investigator Zhuang and renowned academic Gerard Goggin. This is a major achievement for Jocelyn who has just completed her final semester in university.

Jocelyn also translates what she believes in into action, a trait that demonstrates her courage and commitment to causes in which she believes. She published two forum letters in the *Straits Times*, and participated in a CUNY conference in April 2023 at which she presented a paper on her recently completed Final Year Project. Jocelyn plans to begin her Master's studies at NTU's Wee Kim Wee school, and in the long run, hopes to pursue a PhD on neurodiversity and disability studies. Jocelyn is an outstanding youth whose achievements are recognised by awarding her the Lee Kuan Yew gold medal.

Tay Wee Kuang

Double Degree in Bachelor of Accountancy and Bachelor of Business

Awarded for Bachelor of Accountancy

Wee Kuang was awarded the NTU-USP Scholarship to pursue his undergraduate studies, showcasing his passion for learning and constant improvement. During the four years, he achieved outstanding academic performance, consistently making it to the Dean's List in his first and second years for both degrees. Besides academic success, Wee Kuang excelled in case competitions, securing second place in both the NUS-SGX Stock Pitch Competition 2021, and the CFA Institute APAC Ethics Challenge 2020.

Committed to giving back, Wee Kuang stays connected with his alma mater, sharing insights about NTU and the diverse programmes available to prospective students. He actively contributes to community service activities in his Hall and the NTU-USP Club, making a positive impact on others' lives.

Driven by his passion for investment, Wee Kuang took up relevant internships, gained valuable skills and experience, and ultimately secured his dream job. He will be joining Azalea Investment Management, a subsidiary of Temasek Holdings, where he will focus on Private Equity fund investments. He has also completed the CFA Level 1 examination and is currently studying for Level 2.

Teo Pei Qin

Bachelor of Social Sciences in Economics and Public Policy & Global Affairs

Awarded for Public Policy & Global Affairs Programme

Passionate about comparative politics and international relations with a regional focus on Asia, Teo Pei Qin has actively participated in classes, excelled academically, and was placed on the Dean's List in Economics and Public Policy & Global Affairs for AY21/22. Being bilingual in English and Chinese, Pei Qin sought to broaden her academic experience through NTU's URECA programme (completed with Distinction), and opportunities with Peking University, Tsinghua University, and LSE.

While juggling her Economics and Public Policy & Global Affairs coursework as a double major student, her extracurricular activities include serving as Centre Head with NTU's Welfare Services Club in AY20/21, participating in school outreach events, and volunteering with grassroots organisations. She has also undertaken internship projects at MINDEF's National Service Policy Department and Defence Finance Organisation. A recipient of MINDEF's Defence Merit Scholarship, Pei Qin will be attending Harvard University's Master of Arts in Regional Studies – East Asia programme this August, in preparation for her future career as a Defence Executive Officer.

Vanessa

Bachelor of Engineering (Chemical and Biomolecular Engineering)

Vanessa is an ASEAN Undergraduate Scholarship holder, graduating with Honours (Highest Distinction) and CGPA of 4.93/5.00. She is an exemplary student who is exceptionally intelligent, diligent, and passionate. She upheld a stellar academic performance, being placed on the Dean's List for all three consecutive years of her studies. Vanessa excelled in her Undergraduate Research Experience on Campus (URECA) journey, where she was invited to present her experimental findings at the 2021 ACEME International Conference. She also accepted work attachments to conduct research studies on drug delivery methods. Besides academic achievements, Vanessa demonstrated remarkable leadership qualities, being appointed the Social Director for her faculty club in 2020, and the leader of her FYDP group.

Given her passion and keen interest, Vanessa completed an internship with GSK, one of the largest pharmaceutical manufacturing companies in the world. She ensured the plants were up to safety standards, and contributed significantly to the design and planning of a successful new drug introduction in the plant. Her sharp intellect and acumen allowed her to secure a position in Pfizer, where she currently works as a Process Engineer.

Wang Li Rong

Bachelor of Science in Data Science and Artificial Intelligence

Li Rong, a Nanyang scholar, holds a degree in Data Science and Artificial Intelligence. Throughout her studies, she consistently demonstrated academic excellence, earning a place on the Dean's list every year.

During her academic journey, Li Rong showcased her passion for AI research through her two noteworthy research projects. Through the Undergraduate Research Experience on Campus (URECA) programme, she published three papers on the doppelgänger effect in machine learning in esteemed journals: Drug Discovery Today, iScience, and STAR protocols. Her Final Year Project focused on investigating the impact of US recessions on neural network stock price forecasting models, where she designed a neural network architecture for uncertainty estimation. Her findings were published in the International Conference on Intelligent Autonomous Systems.

Li Rong also gained valuable industry experience through internships at DSTA and SAP, exploring areas such as image classification with synthetic image generation, and enhancing entity matching efficiency using deep learning embeddings.

Motivated to further expand her research capabilities, Li Rong plans to pursue a PhD, aiming to make significant contributions to the field of AI and its applications.

Wayne Ong Way En
Bachelor of Engineering (Aerospace Engineering)

Wayne was a recipient of the ASEAN Undergraduate Scholarship and maintained an excellent academic record, achieving two consecutive placements on the Dean's List in AY19/20 and AY20/21. In addition to the credit-bearing internship, he actively participated in a research internship at Rolls-Royce@NTU Corporate Laboratory, and another research project with Mr. Andriy Sarabakha, the Presidential Postdoctoral Fellow of the School of EEE. Beyond that, Wayne also dedicated his time as a peer tutor for the School of MAE, providing lessons in the Thermodynamics module to his fellow course mates.

Besides his academic achievements, Wayne is actively involved in the local community as well. He served as a committee member for the Rotaract Club of NTU, engaging in community service and personal development activities. He was also a committee member of the NTU Korean Cultural Society, where he regularly organised events to promote Korean culture.

Following his passion, Wayne will venture into the aerospace sector in Singapore. He aims to apply the skills and competencies gained at NTU to make a meaningful impact in his career.