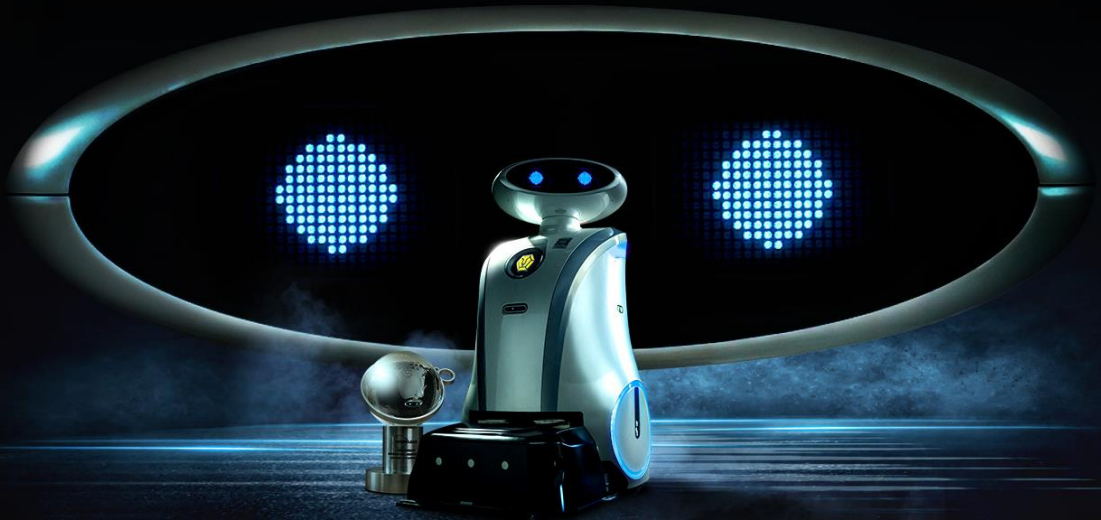




LIONSBOT

We're Hiring!



Who We Are: The LionsBot Story

LionsBot was built from the love of great cleaning. The idea for LionsBot began when Dylan Ng & Michelle Seow, co-founders of leading cleaning supplies distributor SuperSteam Asia Pacific, realised that there was a need for better and more powerful cleaning robots than what the global market had to offer.

Teaming up with leading robotics professor Dr. Mohan Rajesh Elara, they built up their first cleaning robot from scratch and co-founded LionsBot in Singapore—a name that represented their fierce commitment to innovation and cleaning, and that paid homage to the clean & green city that they started from.

From no team to hundreds of cleaning robots in 21 countries and counting, our mission has stayed the same: To give cleaners superpowers with easy-to-use, powerful, and smart robots—making the world a better place, one cleaning robot at a time.

Proudly made and developed fully in Singapore to keep a firm hand on product quality, we've continually grown from strength to strength, set apart from our competitors with our signature brand of personality—not just boxes that clean, but sleek and affable robots that'll leave a smile on your face. That commitment to quality and effort has culminated in us clinching the coveted Interclean Amsterdam Innovation Award in 2020—the first Asian company to ever do so.

This is LionsBot. Forward. Thinking. Cleaning.



Why Join Us?

Be Part of Our Pride

Want a part in shaping the future? A career in LionsBot isn't just creatively or professionally fulfilling, but a gathering of creative mavericks and obsessive over-achievers. A community of movers and shakers. A meeting point for thinkers, dreamers, and creators. All working together to produce robots that'll be remembered, every award-winning success directly from their contributions.



Trust & Space

We trust you to be awesome in your own space, with great autonomy offered to give you the creative freedom to make your vision of the future even brighter—your platform to really shine.

Why Join Us?



The Best People

Work with a diverse community of stimulating, sharp people, who'll challenge and push you forward with discussions and collaboration—and who'll always, always have your back.

Your Mark on the World

From the awards on the shelf to the smile on a cleaner's face, get the chance to make a difference and move the world towards a sustainable and cleaner future—one robot at a time.



What Our People Say

“



Lionsbot International is a place that drives innovation and challenges conventional processes. There is a razor-sharp focus on developing life-changing products for the world, starting with cleaning robots. The young leaders, engineers and designers are given a great amount of autonomy in their fields and we've all faced unique challenges and difficulties at every facet of our work. Along with my peers, we would experience tremendous growth in the fuss-free working environment between team members and team leaders, where even the youngest voices and wildest concepts are not clouded by seniority. Coupled with ample resources and opportunities to make a difference, this motivates me to push myself past perceived norms and strive for excellence to create greater possibilities in the industry

”

Daniel Tan

Robotics Engineer - Mechatronics

“



LionsBot trusts its engineers to take charge in designing major components of its robots and supports them in experimenting to find the most cost-effective and reliable design solutions. This level of ownership and expectation of excellence are extended to the interns at LionsBot as well. My internship at LionsBot has given me many opportunities to further develop my skills in prototyping and optimizing the manufacturability of my designs. Working at LionsBot required me to juggle multiple tasks across different projects with different people, which taught me to better communicate my ideas and incorporate feedback from more experienced.

”

Sze Jia

(SUTD) Intern

“



Being a part of the Lionsbot journey from the beginning has helped me grow into the shoes of a technically grounded leader of futuristic innovation. The strong focus on being at the frontline of robotic development that the company holds, has kept my starry-eyed passion for robotics alive, have helped me actualise my vision of the future. Working with like-minded innovators and designers here, everyday is an adrenaline filled rollercoaster, rushing towards our mission of making robots that blend in symbiotically with society. At Lionsbot, pushing horizons of what can be done, and what you can do, is the norm. Thus, personal and technological growth is exponential, and the experience is enjoyable!”

”

Anuradha Chopra

Perception Engineer

Contents (STEM Positions)

Full-Time Positions

- Robotics Engineer (Hardware)
- Robotics Engineer (Electrical)
- Software Engineer (Autonomy)
- Software Engineer (Backend)
- Software Engineer (Frontend)
- Full stack software developer
- Software Quality Assurance Engineer
- Robotics Validation Associate Engineer
- UX Engineer
- UX Designer

Internship Positions

- Robotics Hardware Engineer Intern
- Software Engineer (Autonomy) Intern
- Software Developer Intern
- Software QA Engineer Intern
- Robotics Validation Intern
- Personality Creator Intern
- UX Engineer Intern
- UX Designer Intern

Connect With Us

Full-Time Positions

[FULL-TIME] ROBOTICS ENGINEER (HARDWARE)

SUMMARY

- Be the product owner of key robot subsystems and take it from concept to production
- Assist in design and validation for fast turn-around proof of concepts of various autonomous cleaning robots.
- Liaise with the Production and Procurement team for NPI (New Product Introduction) and ECN (Engineering Change Notice).
- Research on international safety standards and ensure compliance.
- Develop semi-automated validation test plans for the designed subsystems.
- Design for Manufacturing for low volume and high volume manufacturing.
- Assist the Compliance team with safety audit and performance testing.
- Provide onsite assistance to the Robot Support Team during deployments/trials.

Skills, Qualifications, Education Requirements and Etc.

- Bachelor's/Master's in engineering. Specialization in Mechanical, Mechatronics, Product Development or other relevant disciplines.
- Proficient in CAD using Solidworks (Solids & Surface)
- PCB design using Eagle will be a plus
- Hands-on experience with Embedded C and Python will be an advantage
- Comfortable with embedded systems programming for testing POCs.
- Experience with fabrication techniques such as 3D Printing, CNC, Metal Fabrication etc.
- Interested in development of mechanical design solutions
- Added advantage if worked in a technical student team, or a robotics project outside of the curriculum requirements.
- Good interpersonal and communication skills and able to work in a fast paced and highly collaborative team.
- Good technical and analytical skills to solve complex problems in the simplest possible way.
- Proactive learner who is determined and steadfast and can work with minimum guidance

[FULL-TIME] ROBOTICS ENGINEER (ELECTRICAL)

SUMMARY

- Electrical Load Table, Block Diagram, Schematic design, PCB layout, Wiring Diagrams & Harnesses and Connector selection
- Documentation of all designs, inclusive of Block Diagram, Schematic design, PCB layout, Wiring Diagrams & Harnesses, BOMs, assembly instructions and testing procedures
- Work together with mechanical, electronic and software engineer to meet system requirements
- Assemble and wire up prototype models for testing and track necessary revisions required
- Support on certifications activities

Skills, Qualifications, Education Requirements and Etc.

- Bachelor in Electrical / Electronic / Electrical & Electronic Engineering, preferably between 1 to 2 years of relevant work experience (Fresh Graduates are welcome to apply)
- CE (Safety, EMC, ESD, etc), UL, FCC and other agency certifications preferred
- Ability to work in a fast-paced environment and willingness to try out different solution
- Understand of CAN bus, Modbus, DC/DC converters, encoders and motors are preferred

[FULL-TIME] SOFTWARE ENGINEER (AUTONOMY)

SUMMARY

- Design, implement and deliver application-specific solutions
- Development of mobile robot navigation in the use case of cleaning field
- Perform sensor calibration and software driver development
- Localization and mapping: work alongside our engineer team to implement state-of-the-art software for mobile robot localization and mapping
- Perception and sensor fusion: enhance the existing scene understanding modules and to implement computer vision and deep learning algorithms
- Navigation and Behavior planning: implement and fine-tune the navigation control and planning algorithms

Skills, Qualifications, Education Requirements and Etc.

- Degree in Computer Science, Mechatronic Engineering or equivalent
- Fluency in C/C++ and Python
- Experience with Mobile Robotic application development in Linux environment
- Experience with sensors such as camera, 2D Lidar, 3D Lidar, etc
- Experience with GIT and software version control
- Bonus: Experience with Robot Operating System (ROS)
- Bonus: Experience with deep learning frameworks such as PyTorch, TensorFlow, Caffe, etc.
- Bonus: Experience with 3D data (Point cloud) with good knowledge of open-source libraries for point cloud processing and image processing, eg, OpenCV, PCL, etc
- Bonus: Experience with NVIDIA Jetson Nano/NX/AGX and develop applications

[FULL-TIME] SOFTWARE ENGINEER (BACKEND)

SUMMARY

The Software Engineer (Backend) will need to be able to:

- Think out of the box and solve challenging software problems
- Produce clean, efficient and high-quality codes
- Actively participate in agile software development life cycle

Responsibilities

- Develop, maintain and troubleshoot fully functional backend applications and microservices that will be used internationally to control and manage our robots around the world
- Ideate software solutions and iterate with stakeholders on new product features
- Develop and manage well-functioning databases, applications & write effective APIs

Skills, Qualifications, Education Requirements and Etc.

- Bachelor's Degree in Computer Science, Computer Engineering, Information Technology or related technical discipline
- Proficient in any Back-end frameworks (e.g. C#, Java, Python)
- Proficient in both RDBMS & NoSQL databases technologies such as DB2, Postgres, MongoDB, Redis or equivalent.
- Knowledge in Spring Boot – Java 11, Spring Core, Spring Boot, Spring MVC, Swagger, Tomcat 8, Maven, Jenkins, SVN, GIT, Postman/Newman, RESTful Services, Containers, GraphQL, AWS Services, Microservices, Websockets
- Good understanding with messaging services such IBM MQ, Kafka or equivalent
- Strong work ethic and team player experience working with Scrum/Agile development methodologies.
- Ability to Learn, Unlearn and Relearn

[FULL-TIME] SOFTWARE ENGINEER (FRONTEND)

SUMMARY

The Software Engineer (Frontend) will need to be able to:

- Think out of the box and solve challenging software problems
- Produce clean, efficient and high-quality codes
- Develop, maintain, troubleshoot and debug front-end software applications

Responsibilities

- Develop fully functional web and mobile applications that will be used internationally to control and manage our robots around the world
- Develop quick prototypes and work closely with designers
- Ideate software solutions and iterate with stakeholders on new product features

Skills, Qualifications, Education Requirements and Etc.

- Bachelor's Degree in Computer Science, Computer Engineering, Information Technology or related technical discipline
- Proficient in HTML, CSS and JS frameworks (e.g. Angular, React, Node.js)
- Knowledge of Mobile development (e.g. Android, iOS, React Native, Flutter)
- Knowledge of professional software engineering and best practices for the full software development life cycle, including coding standards, code reviews, source control management, build processes, testing, and operations
- Familiarity with databases (e.g. MySQL, MongoDB)
- Keen eye for designs and details
- Ability to learn, unlearn and relearn

[FULL-TIME] FULL STACK SOFTWARE DEVELOPER

SUMMARY

- The full stack software developer will need to be able to:
- Think out of the box and solve challenging software problems
- Produce clean, efficient and high-quality codes
- Actively participate in agile software development life cycle

Responsibilities

- Develop, maintain and troubleshoot fully functional backend applications and microservices that will be used internationally to control and manage our robots around the world
- Develop, maintain and troubleshoot fully functional frontend applications based on the provided UI designs and assets
- Develop and manage well-functioning databases, applications & write effective APIs
- Ideate software solutions and iterate with stakeholders on new product features

Skills, Qualifications, Education Requirements and Etc.

- Bachelor's Degree in Computer Science, Computer Engineering, Information Technology or related technical discipline
- Proficient in HTML, CSS, JS
- Proficient in any Front-end frameworks (e.g. React, Angular)
- Proficient in any Back-end frameworks (e.g. C#, Java, Python)
- Proficient in both RDBMS & NoSQL databases technologies such as DB2, Postgres, MongoDB, Redis or equivalent
- Experience in Cloud providers and their services (e.g. AWS)
- Knowledge in Spring Boot – Java 11, Spring Core, Spring Boot, Spring MVC, Swagger, Tomcat 8, Maven, Jenkins, SVN, GIT, Postman/Newman, RESTful Services, Containers, GraphQL, AWS Services, Microservices, Websockets
- Good understanding with messaging services such IBM MQ, Kafka or equivalent
- Ability to Learn, Unlearn and Relearn

[FULL-TIME] SOFTWARE QUALITY ASSURANCE ENGINEER

SUMMARY

- Participate and oversee in Software design validation, testing and documentations to ensure that product meets internal quality standards
- Create detailed and well-structured test plans and test cases for all the products to ensure quality goals are met
- Plan and implement all testing activities required
- Work closely with Software development teams to ensure consistency in product development
- Research and develop testing suites or process that will improve the quality control for the various products

Skills, Qualifications, Education Requirements and Etc.

- Bachelor's Degree in Computer Science, Computer Engineering, Information Technology or related technical discipline
- Strong knowledge of software QA methodologies, tools and processes
- Proven work experience in software quality assurance
- Experience in working with development teams to set up testing
- Experience working in an Agile development environment
- Hands on experience with automated testing tools
- Knowledge of SQL and scripting languages
- System testing experience will be plus

[FULL-TIME] ROBOTICS VALIDATION ASSOCIATE ENGINEER

SUMMARY

- Independently plan and write test specifications, methods and instructions against product hardware and software performance requirements while balancing product specifications, process requirements, manufacturing complexity, cost, and lead-time limits
- Maintain, update and develop test automation scripts for ensuring testing efficiency, data collection and data analysis
- Participate and oversee Product Design Validation, Testing and Documentations to ensure that assigned product meets internal quality standards and ensure consistency in development
- Liaise with key-stakeholders on test equipment setup, availability of equipment and facilities, specifications and other pertinent quality or engineering information
- Manage tests from setup through execution and reporting, including test planning, development, execution, inspections, root cause analysis, data processing, documenting, and failure analysis
- Develop and maintain validation schedules, coordinate test resources, and communicate status/blockers to program managers
- Ad-hoc troubleshooting and preventive maintenance of test robots

Skills, Qualifications, Education Requirements and Etc.

- Diploma/ Degree in Engineering or Computer Science, or related technical discipline
- Basic working understanding of Electrical and Mechanical Systems required
- Hands-on experience with Selenium, Embedded C, SQL and/or Python will be an advantage
- Knowledge in developing Proof of Concepts preferred
- Assertive and creative individual with excellent problem solving skills, able to work in highly ambitious and fast-paced environment
- Excellent communication skills for coordination between cross-functional teams

[FULL-TIME] UX ENGINEER

SUMMARY

- Work closely and collaborate with other designers, engineers and product managers and propose UI/UX solutions
- Conduct user research, usability studies and testing
- Ability to design and create wireframes, screen flows, develop prototypes and mockups rapidly for mobile, web and touchscreen applications

Preferred Qualifications / Requirements

- Bachelor's degree in design/engineering related or equivalent experience
- Strong online design portfolio of web or mobile applications
- Careful attention to details and understanding of user centered design principles and process
- Highly proficient in Figma/Sketch/Miro or other design tools
- Familiarity with ReactJS/Flutter/HTML/CSS/JS
- Startup mentality with the ability to learn fast and jump in when needed to expand the role is a huge plus

Great To Haves

- Excellent communication, understanding human behaviour and presentation skills
- Love robots and building robots people love

[FULL-TIME] UX DESIGNER

SUMMARY

- Conduct customer analysis, user research and usability testing
- Find creative solutions for UX problems and make our products easy to use
- Design and communicate ideas through sleek wireframes, screen/user flows, prototypes, user journeys and design specifications
- Support and collaborate with cross-functional teams on user centered design

Preferred Qualifications / Requirements

- Bachelor's degree in design/engineering/IT related or equivalent experience
- Strong online design portfolio of web or mobile applications
- Careful attention to details and understanding of user centered design principles and process
- Ability to create wireframes, screen flows, mockups rapidly
- Highly proficient in Figma/Sketch/Miro or other design tools
- Startup mentality with the ability to learn fast and jump in when needed to expand the role is a huge plus

Great To Haves

- Coding experience and knowledge of bringing designs to actual product
- Excellent communication and presentation skills
- Love robots and building robots people love

Internship Positions

ROBOTICS HARDWARE ENGINEER INTERN

SUMMARY

- Be an integral part of the product design & development team to develop new robot subsystems and support ongoing product improvements
- Assist in design and validation for fast turn-around proof of concepts of various autonomous cleaning robots
- Liaise with the Production and Procurement team for NPI (New Product Introduction) and ECN (Engineering Change Notice)
- Liaise with external vendors for safety certification matters
- Evaluate mechanical design performance throughout the development cycle all the way to product launch
- Assist to handle small volume pre-production robots for beta testing
- Provide onsite assistance to the Robot Support Team during deployments/trials
- Full product development cycle (Idea to Production)
- Cross-disciplinary complex engineering problems

Skills, Qualifications, Education Requirements and Etc.

- Currently enrolled in Bachelor's/Master's in engineering. Specialization in Mechanical, Mechatronics, Electronics Engineering or other relevant disciplines.
- Proficient in CAD using any modelling software such as Solidworks, Fusion 360, Free CAD, etc.
- Basic PCB design using Eagle will be a plus
- Comfortable with microcontroller programming for testing POCs.
- Experience with fabrication techniques such as 3D Printing, CNC, Metal Fabrication
- Interested in the development of mechanical design solutions
- Creative approach towards problem-solving to ensure our products are of the best quality.
- Added advantage if worked in a technical student team, or a robotics project outside of the curriculum requirements.
- Good interpersonal and communication skills and able to work in a fast-paced and highly collaborative team.
- Good technical and analytical skills to solve complex problems in the simplest possible way.
- Proactive learner who is determined and steadfast and can work with minimum guidance

SOFTWARE ENGINEER (AUTONOMY) INTERN

SUMMARY

- Design, implement and deliver application-specific solutions
- Development of mobile robot navigation in the use case of cleaning field
- Perform sensor calibration and software driver development
- Localization and mapping interns will work alongside our engineer team to implement state-of-the-art software for mobile robot localization and mapping
- Perception and sensor fusion interns will be able to enhance the existing scene understanding modules and to implement computer vision and deep learning algorithms
- Navigation and Behavior planning interns will alongside our engineer team to implement and fine-tune the navigation control and planning algorithms

Skills, Qualifications, Education Requirements and Etc.

- Degree in Computer Science, Mechatronic Engineering or equivalent
- Fluency in C/C++ and Python
- Experience with Mobile Robotic application development in Linux environment
- Experience with sensors such as camera, 2D Lidar, 3D Lidar, etc
- Experience with GIT and software version control
- Bonus: Experience with Robot Operating System (ROS)
- Bonus: Experience with deep learning frameworks such as PyTorch, TensorFlow, Caffe, etc.
- Bonus: Experience with 3D data (Point cloud) with good knowledge of open-source libraries for point cloud processing and image processing, eg, OpenCV, PCL, etc
- Bonus: Experience with NVIDIA Jetson Nano/NX/AGX and develop applications

SOFTWARE DEVELOPER INTERN

SUMMARY

- Develop and troubleshoot fully functional real web or mobile applications that will be used internationally to control and manage our robots around the world
- Develop quick prototypes and work closely with designers
- Ideate brilliant software solutions

Skills, Qualifications, Education Requirements and Etc.

- Bachelor's Degree in Computer Science, Computer Engineering, Information Technology or related technical discipline
- Knowledge in HTML, CSS and JS frameworks (e.g. React, Node.js)
- Knowledge in Web or Mobile development
- Proficient in Git Version Control

Other Requirements (Advantageous)

- Knowledge in Java
- Knowledge of both Frontend and Backend frameworks
- Knowledge of professional software engineering and best practices for the full software development life cycle including agile methodology, coding standards, code reviews, source control management, build processes, testing, and operations
- Familiarity with MSSQL or MySQL databases
- Ability to learn, unlearn and relearn

SOFTWARE QA ENGINEER INTERN

SUMMARY

- Maintain and develop automation test cases
- Follow, prepare and execute automation testing plan
- Ensure features has written test cases

Skills, Qualifications, Education Requirements and Etc.

- Bachelor's Degree in Computer Science, Computer Engineering, Information Technology or related technical discipline
- Knowledge of software quality best practices and test methodology
- Knowledge with at least one programming language
- Knowledge in creating test plan, test cases and bug reports

Other Requirements (Advantageous)

- Familiarity with Selenium or Robot Framework
- Familiarity with creating automation script
- Bug tracking and fixing
- Knowledge of Linux operating system

ROBOTICS VALIDATION INTERN

SUMMARY

- Plan and write test specifications, methods and instructions against product hardware and software performance requirements while balancing product specifications, process requirements, manufacturing complexity, cost, and lead-time limits
- Maintain, update and develop test automation scripts for ensuring testing efficiency, data collection and data analysis
- Participate and oversee Product Design Validation, Testing and Documentations to ensure that assigned product meets internal quality standards and ensure consistency in development
- Liaise with key-stakeholders on test equipment setup, availability of equipment and facilities, specifications and other pertinent quality or engineering information
- Manage tests from setup through execution and reporting, including test planning, development, execution, inspections, root cause analysis, data processing, documenting, and failure analysis
- Develop and maintain validation schedules, coordinate test resources, and communicate status/blockers to program managers
- Ad-hoc troubleshooting and preventive maintenance of test robots

Skills, Qualifications, Education Requirements and Etc.

- Enrolled in Degree in Engineering or Computer Science, or related technical discipline
- Basic working understanding of Electrical and Mechanical Systems required
- Hands-on experience with Selenium, Embedded C, SQL and/or Python will be an advantage
- Knowledge in developing Proof of Concepts preferred
- Assertive and creative individual with excellent problem solving skills, able to work in highly ambitious and fast-paced environment
- Excellent communication skills for coordination between cross-functional teams

PERSONALITY CREATOR INTERN

SUMMARY

- Creating multi-lingual voice packs for robots deployed overseas
- Designing the look and feel of the human robot interface
- Creating sound profiles based on the design
- Creating expressive animations for the visual components of the human robot interface

Skills, Qualifications, Education Requirements and Etc.

- Passion for art and design and/or music
- Interest in /flair for languages

Other Requirements (Advantageous)

- Experience with sound design softwares and plugins (eg. Audacity, XFer Serum, Sylenth, etc)
- Experience with animation softwares such as Adobe CC After Effects
- Experience with Python programming
- Experience with ROS

UX ENGINEER INTERN

SUMMARY

- Work closely and collaborate with other designers, engineers and product managers and propose UI/UX solutions
- Conduct user research, usability studies and testing
- Ability to design and create wireframes, screen flows, develop prototypes and mockups rapidly for mobile, web and touchscreen applications

Preferred Qualifications / Requirements

- Bachelor's degree in design/engineering related or equivalent experience
- Strong online design portfolio of web or mobile applications
- Careful attention to details and understanding of user centered design principles and process
- Highly proficient in Figma/Sketch/Miro or other design tools
- Familiarity with ReactJS/Flutter/HTML/CSS/JS
- Startup mentality with the ability to learn fast and jump in when needed to expand the role is a huge plus

Great To Haves

- Excellent communication, understanding human behaviour and presentation skills
- Love robots and building robots people love

UX DESIGNER INTERN

SUMMARY

- Conduct customer analysis, user research and usability testing
- Find creative solutions for UX problems and make our products easy to use
- Design and communicate ideas through sleek wireframes, screen/user flows, prototypes, user journeys and design specifications
- Support and collaborate with cross-functional teams on user centered design

Preferred Qualifications / Requirements

- Bachelor's degree in design/engineering/IT related or equivalent experience
- Strong online design portfolio of web or mobile applications
- Careful attention to details and understanding of user centered design principles and process
- Ability to create wireframes, screen flows, mockups rapidly
- Highly proficient in Figma/Sketch/Miro or other design tools
- Startup mentality with the ability to learn fast and jump in when needed to expand the role is a huge plus

Great To Haves

- Coding experience and knowledge of bringing designs to actual product
- Excellent communication and presentation skills
- Love robots and building robots people love

Connect With Us

Website

www.lionsbot.com

LionsBot HR Team

hr@lionsbot.com

LinkedIn

<https://www.linkedin.com/company/lionsbot/>

Facebook

<https://www.facebook.com/LIONSBOT>

Instagram

[@lionsbot_intl](https://www.instagram.com/lionsbot_intl)