

# Ronny N. Ismael

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## EDUCATION & DEGREES

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### San Jose State University | San Jose, CA

*Bachelor of Science in Computer Engineering  
Cert - Cyber Security*

*Expected Graduation May 2024*

**Coursework:** Object-Oriented Languages, Assembly Language Programming, Advance Algorithms and Data Structure Design, Engineering Statistics, Discrete Mathematics, Ckt Analysis, Computer Architecture Design, Computer Networking, IoT Platforms, Operating Systems

### Modesto Junior College | Modesto, CA

*Associate in Science in Mathematics  
Associate in Science in Physics*

*Graduated May 2021*

**Coursework:** Introduction to Programming, Problem Solving/Programming 1, Linear Algebra, Differential Equations

## WORK EXPERIENCE

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### Engineering Technician | Nextest division of Teradyne

*July 2022 - Present*

- Workflow optimization by automating routine tasks using VBA and developing internal tools with React Native, enhancing departmental productivity and communication.
- Collaborated closely with software engineers to establish best practices and implement improvements in the software used for semiconductor testing systems.
- Maintain record retention on Magnum systems, check RMA repairs in house for completion/movement, support operations/production, and assist with support issues.
- Defining process implementation documentation for various semiconductor testing equipment for the various stages of production.
- Responsible for performing system level debugging/troubleshooting in case of failures.
- Managing incoming/outgoing shipments of systems internationally.

### Robot Technician | Starship Technologies

*Sep 2020 - June 2022*

- Participated in roles including Technician, Site Lead, Field Assistant, and Robot Operator.
- Main POC for the Mountain View and Intuit operations.
- Managed Starship app support and implementation.
- Led the MTV and Intuit teams through expansion projects, marketing events, menu configuration, and other miscellaneous projects assigned to our team.
- Worked regularly with SCP and SSH shells in a Linux environment.
- Maintained the operational health of our autonomous robotic fleet. Responsible for troubleshooting, diagnosing, and repairing various issues, both software and hardware related.
- Worked regularly to repair and operate complex printed circuit boards including Raspberry Pi's, ELMO Controller PCBs, IRCOMs, TEGRA PCBs, and other various devices specific to our robotic fleet.
- Used various work management tools to streamline workflow by tracking and managing tickets with Jira Software, project information and documentation with Confluence, and inventory management of our various components using Excel and MRPeasy to ensure correct logs and efficient MSQ.
- Created and edited various documentation about our AMD and TEGRA robotic components for company wide usage and training purposes.
- Calibrated different sensors and radars including Elmo sensors, FSK radars and CDE cameras.
- Coordinated staffing and scheduling needs for all of Mountain View operations needs.
- Planned and executed various marketing events to promote our MTV service, including such things as: Singular University technology demonstration, Intuit campus table demonstrations, holiday based in-app promotions, and more.

## OUTLINED SKILLS

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- Experience with C, C++, Python, Java, JavaScript
- Experience with x86 assembly language and RISC-V
- Software development experience with React Native and VBA
- Debugging and troubleshooting
- Task and workflow optimization
- Linux environment experience working with SCP and SSH shells
- Experience with tools for version control and project management such as Jira and Confluence
- Management, project handling, and team leading experience