

JESUS RODRIGUEZ

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PROFESSIONAL SUMMARY

Aspiring Robotics Software Engineer with a dual academic background in Computer Science (B.S.) and Mechanical Engineering (M.S.) from CSU Fullerton. Passionate about robotics and automation with hands-on experience in full-stack development, embedded systems, and mechanical design. Looking to leverage my interdisciplinary skill set in robotics development that bridges hardware and software.

TECHNICAL SKILLS

- Programming: C++, Python, Java, MATLAB
- Robotics & Systems: Embedded Systems, Control Theory, Arduino/Raspberry Pi, Sensors & Actuators
- CAD & Design: SolidWorks, AutoCAD, Maya
- Tools & Software: PowerBI, PowerShell, Git, SQL, Unreal Engine

EDUCATION M.S. Mechanical Engineering, CSU Fullerton — In Progress

B.S. Computer Science, CSU Fullerton

PROJECT EXPERIENCE**Autonomous Navigation Rover**

- Developed C++ and Python software for obstacle detection and avoidance.
- Integrated sensor fusion using LIDAR and camera input with ROS (Robot Operating System).

Robotic Arm with Haptic Feedback

- Designed mechanical arm using SolidWorks.
- Programmed microcontroller logic for motion control and feedback using Arduino.

WORK EXPERIENCE

Merchandise Lead Host

The Walt Disney Company, Anaheim, CA — Oct 2022–Present

- Provided operational guidance and technology training for internal tools.
- Developed communication systems that improved efficiency and teamwork.

Programmer/Analyst

The Moore Law Group, Santa Ana, CA — Jul 2019–Mar 2020

- Created internal portal using SQL and web technologies.
- Documented workflows and optimized inventory and task-tracking systems.