

# HAYDEN RINN

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## EDUCATION:

California Polytechnic State University, San Luis Obispo, CA (Expected Graduation Winter 2022)

- B.S., Major in **Computer Engineering**, Minor in History
- GPA: 3.82; Dean's List Honors All Quarters
- Teaching Assistant, Computer Design and Assembly Programming Lab

## WORK EXPERIENCE:

Software Development Intern, Micro-Vu, Windsor, CA (June – September 2020)

- Contributed to new version of Inspec, the human interface for Micro-Vu's metrology machines
- Built display system for geometric tolerances using Hoops Visualize
- Learned variety of software design patterns, including observers, mementos, and facades

Software Development Intern, Amazon.com, Seattle, WA (June – September 2019)

- Created personnel management tools for Amazon Imaging Studios
- Designed projects using DDD and iterated based on feedback from senior engineers
- Developed full stack applications using AWS, Java, Event Sourcing, and CQRS

Server, Bing's Bar and Grill, Seattle, WA (June – August 2018)

- Maintained a high level of customer service in a fast-paced, high-volume environment
- Developed communication and workload management skills

## PROJECTS:

Team Tech, Cal Poly Society of Women Engineers (2019 – 2020)

- Designed a wheelchair to interface with Universal Studios rides to increase accessibility
- Lead controls team to create communications system between wheelchair and ride

RoboCup, Cal Poly Robotics Club (2018 - 2019)

- Implemented message-passing structures and strategy algorithms

Class Projects (2017 - 2020)

- Utilized a microcontroller to filter noise from a microphone input
- Created AXI adapter for a custom RISC-V processor
- Implemented image processing algorithms on custom RISC-V processor
- Programmed an object-oriented videogame in Java that utilized an A\* pathfinding algorithm
- Created a PID controller on a Basys-3 board using Verilog

## VOLUNTEER EXPERIENCE:

Docent and Camp Counselor, Port Townsend Marine Science Center (Summer 2014 - 2016)

Volunteer, Saint Bernard Project, New Orleans, LA (Summer 2015)

## TECHNICAL SKILLS:

Languages: C#, Java, Python, SystemVerilog, JavaScript, Assembly, HTML, and CSS

Tools and Technologies: AWS, Git, ROS, and NodeJS

Other: Windows and Linux, Computer Hardware, and FCC Radio Technician License