

Henok Techeste

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Education

Oregon State University

Bachelor of Science in Electrical and Computer Engineering

Corvallis, OR

Cumulative GPA 3.2/4.00

Graduation: Spring 2022

Technical Skills

Computer Language: C++, Arduino, C, Python, MATLAB, Ladder Logic

Computer Aid Design: Wireshark, Wi-Fi Security modes, Android Debug Bridge, Linux, SCADA, Eagle CAD, Simplicity

Work Experience

Hewlett-Packard Inc., Corvallis, OR

Jun 2021 – Present

Electrical Systems Engineer Intern

- Developed a strategic plan and design on replacing an industrial wastewater treatment system.
- Strategized, developed, and communicated decisive plans of action to correct and prevent PLC malfunctioning and failure.
- Served as project leader & manager for the design, build, and implementation of a RX3i PLC from a 90-30. Analyzed obsolete, replaceable, and newly installed devices and controls.
- Reviewed PI&D and I/O modules schematics and made proper edits in matching the newly installed hardware configuration.

Novus Labs, Portland, OR

Jun 2019 – Sep 2020

Test Technician Intern

- Configured 802.11 a/b/g/n/ac modes, as well as performed Android & IOS app functional testing.
- Designed and set up top boxes and configured access points over different network environments.
- Analyzed and tested newly revised prototypes and unreleased Wi-Fi & Bluetooth devices.

Personal Robotics Group (PRG), Corvallis, OR

Jan 2018 – Jun 2018

Undergraduate Research Assistant

- Assisted in designing an automated wheelchair robot to assist people with severe motor disabilities.
- Strategically planned methods to achieve interactions between humans and robots.
- Accurately researched, collected, and documented data to help with extra features.

OH Planning + Design Architecture, Portland, OR

Jun 2017 – Sep 2017

Architect Intern

- Implemented project feasibility based on personal experience of location.
- Recommended minor adaptations and modifications to complete working drawing sets.
- Presented on new sustainable 'smart street' options for upcoming projects.

Leadership

Chapter President, Corvallis, OR

Sep 2021 – Present

Executive Board Member, Alpha Phi Alpha Fraternity, Rho Beta Chapter

Secretary, Corvallis, OR

Sep 2020 – Present

National Association for the Advancement of Colored People (NAACP)

Racial & Cultural Coordinator, Corvallis, OR

Sep 2020 – Jun 2021

Associated Students of Oregon State University (ASOSU)

Head Mentor & Lead Mentor, Corvallis, OR

Sep 2019 – Jun 2021

Louis Stokes Alliance for Minority Participation (LSAMP)

Student Leader, Corvallis, OR

Sep 2018 – Jun 2020

Distinguished Scholars Initiative (DSI)

Leadership Liaison, Corvallis, OR

Sep 2018 – Jun 2020

Office of Advancing Academic Equity for Student Success (AAESS)

Project

Autonomous Pet Entrance System

Mar 2021 – Jun 2021

Project Manager