

Sierra Loïselle

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EXPERIENCE

Electrical Design Intern

June 2021 – Sept. 2021

Mazzetti Inc.

Portland, OR

- Drafted construction documents in AutoCAD and Revit for dozens of projects
- Created lighting designs in AGi32
- Conducted fault current and arc flash analysis on electrical one-lines in SKMtools

Undergraduate Learning Assistant

March 2021 – Present

Oregon State University

Corvallis, OR

- Aid twenty students three times a week and troubleshoot FPGA logic designs
- Teach electrical fundamentals materials
- Guide students in analysing circuits and their designs

Summer VISTA and Information Technology Intern

June 2020 – Aug. 2020

PDX Alliance for Self-Care

Portland, OR

- Provided tech support to a team of twelve summer camp employees
- Strategically designed, developed and published a web page for the youth summer camp
- Prepared and presented a STEM workshop to youth camp attendees

INVOLVEMENT

CHARISMA Robotics Lab

Jan. 2022 – Present

- Participate in Robotics HRI research and studies

RISE Psychology LAB

Sept. 2020 – Present

- Contribute to literature review on measures of sexualization
- Constructing thesis on correlation between film popularity and sexualization

Tau Beta Pi President: Engineering Honors Society

Sept. 2021 – Present

- Organize, coordinate and facilitate general body meetings, initiations and guest speaker events
- Oversee club relations and correspond between national organization, officers and advisors

EDUCATION

Oregon State University Honors College

Sept. 2019 – June 2023

Bachelor of Science in Electrical and Computer Engineering, Minor in Computer Science

Corvallis, OR

- **Accomplishments:** 4.0 GPA, Deans List Fall 2019-Present
- **Coursework:** Data Structures, Algorithms, Digital Logic and Design, Electrical Fundamentals, Electronics, Signals and Systems, Assembly Language, Computer Architecture, Operating Systems, Project Design, Computer Networks
- **Projects:** Microphone/Doorbell Amplifier, Automatic Pet Door, American Sign Language Website

SKILLS

Languages : Python, JavaScript, HTML/CSS, C++, C, SystemVerilog

Tools/Skills : GitHub, CAD, Revit, SKMtools, AGi32, Quartus, ModelSim, Unity, LTSpice, Soldering, Arduino

Other : Leadership, Quick Learner, Communicable, American Sign Language