

Sean Booth

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Education

OREGON STATE UNIVERSITY, CORVALLIS, OR

SEPTEMBER 2018 - JUNE 2022

- Bachelor of Science in Electrical and Computer Engineering, Computer Science Minor
- GPA: 3.82, Magna Cum Laude
- Notable coursework: Semiconductor devices and processing (ECE 416, 417, 418), VLSI design (ECE 471, 474)

Technical Skills

- Software: Altium Designer, MATLAB, Spice (LTSpice, HSpice), Arduino, ModelSim, Altera Quartus, DeckBuild
- Tools: Oscilloscope and DMM, Rework Station, Reflow Oven, 3D Printer, Semiconductor Processing Tools
- Familiar Languages: C, C++, C#, SystemVerilog, LaTeX
- General: Semiconductor Processing, Circuit Design and Analysis, Circuit Prototyping and Testing, Data Structures

Work Experience

OSU | OPENS LAB - ELECTRICAL ENGINEERING

SEPTEMBER 2021 - JULY 2022

- Testing and integration of sensors, board assembly, design consultation, and mentoring other student workers.

OSU | UNDERGRADUATE EECS LEARNING ASSISTANT

SEPTEMBER 2020 - JUNE 2021

- Teaching lab sessions of approx. 25 students alongside other assistants, teaching students about Quartus and ModelSim.

OSU | UNDERGRADUATE PHYSICS TEACHING ASSISTANT

JANUARY 2020 - DECEMBER 2020

- Tutoring other students, proctoring exams, grading classwork, and teaching a laboratory section of approx. 20 students.

Extra-Curricular Activities

OSU ROBOTICS CLUB | ROVER TEAM ELECTRICAL

OCTOBER 2018 - JUNE 2021

- Engineering work in a team environment requiring interdisciplinary collaboration.
- Projects: Designed and programmed mining node to operate the surface sampling and science assembly. Constructed and tested other boards such as motor controllers. Debug of constructed boards. Design consultation for new atmospheric sensor control board.

ETA KAPPA NU HONOR SOCIETY | OSU PI CHAPTER

JOINED JANUARY 2020

- Electrical engineering honor society, established in 1904 (Pi chapter in 1920), IEEE affiliated.
- Organizes events with faculty, industry mixers, and provides tutoring for introductory ECE courses.

Volunteer Work

FREEGEEK

SEPTEMBER 2016 - JUNE 2018

- Volunteer work diagnosing, repairing and rebuilding laptop and desktop computers to benefit the local community.