

Ethan Sorensen

Permanent Address: El Segundo, CA | Currently: Provo, UT

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Education:

BS in Electrical Engineering

expected April 2026

Brigham Young University | Provo, UT
3.98

current GPA:

Skills:

- ESD & CIS certified solder technician
- C/C++, Python, VHDL/Verilog
- PADS Designer and Library management
- Advanced Excel knowledge
- Well versed in both Linux and Windows systems
- Conversational Spanish
- Organization and time management
- Public speaking and communication

Recent Academic Coursework:

- Data Structures (C++)
- Adv. Calculus and Ordinary Diff. Equations
- Computer Systems
- Digital Systems (FPGAs)

Work Experience:

The Aerospace Corporation

May 2022 – Present

Xlab Technical Intern

- Current librarian for Xlab's PADS Designer library; manages and creates libraries and symbols for usage in various projects, as well as assisting in software usage and documentation.
- Assisted development of schematic and VHDL for GSE equipment to be used within Xlab

The Church of Jesus Christ of Latter-Day Saints

July 2019 – July 2021

Full Time Representative

- Led volunteer activities of up to 10 international volunteers in various global locations, working over 600 volunteer hours per week
- Designed and implemented a Google Scripts based program to provide statistical records and analysis for an organization of over 250 volunteers

Extra Curriculars:

Winner of the 2019 Robert H. Herdon Memorial Science Competition; was lead systems engineer on their submission of a 1U CubeSat prototype

Created multiple cases of FPGA UART instantiations; proficient in understanding timing diagrams

Created and programmed a Raspberry Pi that connects through SSH and works as an effective "Ring" style doorbell