Carson Child

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Education

Arizona State University December 2023
Electrical Engineering, BS
GPA: 4.00

- Dean's List
- Barrett Honors College
- Sun Devil Satellite Design Laboratory
- Relevant coursework: Digital Design Fundamentals, Circuits I, Physics: Electricity and Magnetism, Linear Algebra, Calculus

Relevant Work Experience

Undergraduate Teaching Assistant – Circuits I January 2022 – Present
Arizona State University (Spring '22 Semester)

- Hosting review sessions, answering student questions, and holding office hours
- Assisting professor with course material and organization

Engineering Intern June 2019 – March 2020
Sunrise Engineering, Inc.

- Coordinated workload for interns on the Valley Metro Light Rail project
- Prepared record drawings for the Valley Metro Light Rail using AutoCAD and Civil 3D for various disciplines including electrical, water, sewer, storm drain, utilities, etc.

Technical Skills

Programming: Python, JavaScript, MATLAB, HTML, CSS
Electrical Engineering: LTspice, Altium, SystemVerilog, Xilinx Vivado, Intel Quartus Prime
CAD: AutoCAD, Fusion 360

College Project Experience

CanSat 2022 Competition, Electrical Sub-team August 2021 – Present
Sun Devil Satellite Design Laboratory

- Selecting components for a system that deploys parachutes and sensors after being released from a rocket
- Programming a microcontroller to control actuators, sensors, and radios that communicate with a ground station

Automatic Cereal Dispenser August 2019 – December 2019
Freshman Engineering Design Project

- Designed a machine that selects from a variety of cereals and dispenses the selection and milk automatically
- Acted as team lead and was responsible for meeting deadlines, assigning workloads, and demonstrating proper engineering skills
- Utilized various technologies to produce design, including microcontrollers, stepper motors, 3D printers, and CNC machines