

Samuel Witte

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JOB OBJECTIVE

I am looking for a company that will help me expand my knowledge of electrical engineering and allow me to demonstrate problem solving and team-working skills, collaborating with others on work that I'm passionate about.

EDUCATION

UNIVERSITY OF IOWA - Iowa City, IA

BSE Electrical Engineering

- Interest in Embedded Systems and Circuit Design
- Anticipated Graduation Fall 2024

SKILLS

Python • Verilog (Beginner) • Fusion 360 • GitHub • KiCad • Excel/Microsoft Suite • SMD & Through-hole Soldering • Revit and AutoCAD • Slack/Teams

PROJECTS

PERSONAL PROJECTS

- HPR Flight Computer - Makes and records measurements in-flight for graphing and analysis after flight using a microcontroller interfaced with sensors via I2C. Developed custom PCB and used/soldered SMD components.
- Cryptocurrency Counter - Makes real-time estimates on cryptocurrency balance utilizing Python, APIs, and a Raspberry Pi
- Custom Mechanical Keyboard - Custom PCB designed with KiCAD, plate and case created with Fusion 360.

STUDENT ORGANIZATIONS

- AIAA University of Iowa Chapter, President

RELEVANT COURSEWORK

- Principles of Electronic Instrumentation, Electrical Circuits, Intro to Digital Design*
- Physics I, II(Elec. and Magnetism), Physics IV (Intro to Modern/Quantum), EM Theory*
- Vector Calculus, Differential Equations, Single and Multi-variable Calculus, Linear Systems I*

* Indicates in-progress coursework

EXPERIENCE

SSC ENGINEERING | DEC 2021 - JAN 2022, MAY 2022 - AUG 2022

Chesterfield, MO

- Wrote and maintained automation scripts
- Learned and utilized new software daily
- Modified and QC-checked electrical schedules and electrical and lighting layouts for MEP projects

NOTABLE ACHIEVEMENTS

2021 - 2022 Executive Assistant - AIAA University of Iowa Chapter
2022 - Present President - AIAA University of Iowa Chapter

INTERESTS

Building and Fixing PCs and Electronics • Computer Networking • Model and High Powered Rocketry • Hobby Electronics • 3D Printing • Cryptocurrency • Autocross • Gardening