

# Samuel Witte

222 Wynnbrooke Circle Dr., Fenton, MO, 63026  
sam@samwitte.com | (314) 608-1334 | Project Portfolio: [www.samwitte.com](http://www.samwitte.com)

---

## 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)	KiCad	Fusion 360	Powershell (Beginner)
Github	SMD & Through-hole Soldering	Revit and AutoCAD	Slack/Teams	Excel/Microsoft Suite

## PROJECTS

HPR Flight Computer	Makes and records measurements in-flight for analysis post-flight using a micro-controller interfaced with sensors via I2C. Developed and assembled custom PCB. Made for personal interest and use in HPR rockets for rocketry club
Cryptocurrency Counter	Makes real-time estimates on cryptocurrency balance utilizing Python, APIs, and a Raspberry Pi. Built to monitor my balance without checking external websites as well as because I wanted to play around with 7-segment displays
Custom Mechanical Keyboard	Custom PCB designed with KiCad, plate and case designed with Fusion 360

## LEADERSHIP EXPERIENCE

2022 - Present	President - AIAA University of Iowa Chapter Organized, coordinated, and prepared material for weekly meetings, events, and competitions; Allocated tasks to other exec members
2021 - 2022	Executive Assistant - AIAA University of Iowa Chapter Project lead for a competition rocket, which included design modifications and assembly; Assisted president with logistics and weekly meeting plans

## 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

## RELEVANT COURSEWORK

Intro to Digital Design	Principles of Electronic Instrumentation	Electrical Circuits
EM Theory	Physics IV (Intro to Modern/Quantum)	Linear Systems I