

Lukas Hezel

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SUMMARY

Motivated Computer Engineering student seeking my first professional internship. Proficient in computer engineering through rigorous coursework and diverse university club projects.

Demonstrated success in dynamic, challenging environments, actively participating in projects that stretched my abilities.

Committed to continuous learning and eager to apply technical skills to contribute to innovative projects in a professional setting.

EDUCATION

University of Alabama in Huntsville

Bachelor of Science in Computer Engineering with Honors

GPA: 3.667/4.000

Expected Graduation:

May 2026

PROJECT EXPERIENCE

UAH Space Hardware Club: LUMA

Electrical Lead - Huntsville, AL

Dec 2023 – Present

Led the electrical aspects of the LUMA High-Altitude Ballooning project, which aimed to facilitate access to high-altitude environments for club members and enthusiasts.

- Spearheaded the development of a custom PCB, overseeing the entire process from initial design to operational stage.
- Effectively managed and mentored a small team of electrical team members through various tasks, ensuring seamless coordination and optimal project outcomes.
- Demonstrated adaptability and problem-solving skills by overcoming evolving requirements and deadlines, ensuring the timely completion of the payload.

UAH Space Hardware Club: Terminus

Project Software Developer - Huntsville, AL

Nov 2022 – Nov 2023

Contributed to the early development stages of a complex, multi-year mission focused on experimenting with satellite constellations for NASA's RockSat programs.

- Collaborated with a dedicated team to develop and implement software solutions using C++ and Git, ensuring seamless integration within a large system of interconnected software.
- Played a key role in crafting programs critical to the success of the mission.
- Acquired valuable experience in the handling of Controlled Unclassified Information

TECHNICAL SKILLS

Software:

- C++, Python, Matlab
- Basic Web Development
- VHDL and Assembly
- KiCad and PCB Development
- Basic Signal Filtering

Hardware:

- Fundamentals of Circuitry
- Capable with function generators, oscilloscopes, and multimeters
- Experience SMD Soldering
- Understanding of sequential logic circuitry