

# Luke M. Cashwell

Github

<http://portfolio.luke.cash>  
lukecashwell@gmail.com

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## Education

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### University of South Alabama – USA

*Electrical Engineering Undergraduate*

Aug. 2021 – Present

*Mobile, AL*

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## Experience

### SwarmX

*Cube Satellite project associated with CU*

- Experience working on real space hardware
- Hardware Debugging
- Embedded Software

Feb. 2023 – Present

*Mobile, AL*

### JagSat II

*Cube Satellite project associated with University of South Alabama*

- Opportunity to Design and Iterate on a Satellite which will be sent to the I.S.S.
- Building upon and improving features of JagSat I
- Experience with hardware level optimization

Jun. 2023 – Present

*Mobile, AL*

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## Technical Skills, Language Skills, and Interests

**OS:** Windows, Ubuntu Linux, Arch Linux

**Programming Languages:** C, Rust, Python, C++, Java, C#

**Libraries:** OpenGL, FreeType 2, GLFW, miniFb, egui

**Major Skills:** Embedded Design, PCB Schematic Design, PCB Layout Design, Programming, Basic Networking, Welding, CAD Modeling, 3D Graphics Programming, LaTeX, and Piano

**Software:** Fusion360, Git/Github, KiCad, Altium, IntelliJ, VSCode, Excell, Unity

**Instruments:** Piano/Keyboard

**Fluent Languages:** English

**Interests:** Electrical/Computer Engineering, Programming, Optimization, A.I., Manufacturing, Metal working, Chemistry, Physics, Chip Fabrication, Music, Music Composition