Haley Lind

(803) 412 - 6815 | hlind.engineering@gmail.com
haley-dev-1.github.io/personal-site/

EDUCATION

University of South Carolina - Columbia, SC *Expected Graduation: May 2026*

- **Major:** Computer Engineering, B.S.E. *Current GPA: 3.5*
- **Honors:** President's List, Dean's List

TECHNICAL SKILLS

- **Languages**: Java, C, Python, C#, C++, MATLAB, SystemVerilog (HDL)
- **Tools**: Visual Studio, Vim, Nano, Git CLI, GitHub, Azure DevOps, GDB, JTAG
- **Simulation**: KiCad, Quartus, MATLAB/Simulink, LTSpice, Logisim
- **Operating Systems***:* Linux, Windows
- **Hardware**: Soldering, breadboards, WaveForms, FPGA
- **Familiar Platforms:** NVIDIA Jetson; Google's Coral TPU; Arduino's ESP32 and Nano; Raspberry Pi
- **Communication Protocols:** I2C, UART, CAN
- **Professional:** Microsoft Office, Google Workspace

PROFESSIONAL EXPERIENCE

Textron Specialized Vehicle

Software Engineer Intern, Embedded Systems *June 2025 – August 2025*

- Designed and implemented new pin scheduler feature on EZGO's TruPin product, and communication to Server.
- Led C# server-to-Android integration for intern project; built dynamic leaderboard system under evolving specs.
- Created documentation for the TruPin pin scheduler project, streamlining future enhancements to the product.

University of South Carolina

Undergraduate Research Assistant *December 2023 – Present*

- Reflashed and configured a LINUX-based, Raspberry Pi 4 robot for wireless networking abilities.
- Implementation of real-time systems on neuromorphic architectures in collaboration with graduate researchers.
- Gained hands-on experience with machine learning and robotics skills in an academic research environment.

Textron Specialized Vehicles

Software Engineer Intern, Full Stack *June 2024 – August 2024*

- Contributed to internal tools and debugging efforts; practiced version control, front-end, C# with LINQ, and T-SQL.
- Patented a recommendation system; identified critical data limitations that still affect the company's AI strategy today.
- Designed 'vehicle matrix' program to reduce sales errors. Amid tight deadlines, documented progress for hand-off.

PROJECTS

Projects

- Camera – prototype and build ESP32 camera, using C language. *C language, drivers, RTOS*
- PCB Design – Developed heart rate monitor PCB design. . *KiCAD, debugging, I2C*
- Real-time Sentiment Analysis – Implemented data fusion. *Python, Machine Learning*

LEADERSHIP EXPERIENCE

Science Club

President *August 2022 – August 2023*

- Delegated tasks between officers, kept members updated on ideas and events.
- Coordinate weekly meetings and two community service events a year for club members.