

Conner Neuhart

neuh.art/linkedin

SUMMARY

I am a Computer Engineering and Computer Science double major with a passion for low-level development and embedded systems. I've worked on a range of projects involving Arduino, ESP32, and STM32 microcontrollers, as well as some robotics-focused work. My expertise centers on C programming, Linux knowledge, system architecture, and circuit design.

EDUCATION

University of Colorado Boulder	2021 – 2026
B.S. in Electrical and Computer Engineering	
B.A. in Computer Science	
Minor in Philosophy	

TECHNICAL SKILLS

Programming Languages: C, C++, Python, JavaScript, RISC-V asm
Hardware & Tools: Verilog, LTSpice, MATLAB, SiMetrix
Other: Git, Linux

PROJECTS & EXPERIENCE

Node.js Web Server: Music Recommendation	2024
Part of a small team that created a Node.js music recommendation tool based on the Spotify API.	

Arduino-based Autonomous Robot	2025
Built an Arduino-based 4-wheeled robot that used control loops to modify motor output in response to real-time feedback.	

CU Boulder ECEN Capstone: NASA JPL Mars Hard Lander	2025 – 2026
Part of a 6 member team creating a 'from the ground up' design of the electronics for a modular Mars hard lander. The project centers on long range RF communication, redundant and error correcting design, as well as long term data collection in a harsh environment.	