



Jack Greenberg

Embedded Systems Engineer

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I am an engineering student at Olin College studying embedded software and electrical design. I also cook, shoot pool, and play jazz bass.

Experience

Apple Inc — Special Projects Group Jan - Aug 2021

Embedded Controls Software Intern

- Wrote firmware drivers for interfacing with sensors and other hardware peripherals in embedded systems (under NDA)
- Worked with multicore microcontrollers running real-time operating systems

Olin Formula SAE Electric Sept 2019 - Present

Senior Embedded Engineer

- Built a vehicle software update system from scratch consisting of a bootloader and CAN-based application protocol
- Brought up libraries, drivers, and RTOS application code for AVR and ARM microcontrollers
- Improved the team's usage of Git and Github by introducing new workflows and automations to prevent merge conflicts

Indico Data May - Aug 2020

Backend Software Intern

- Built a Redis-based caching mechanism for data permissions, reducing network traffic among microservices
- Refactored microservice infrastructure across 17 repositories between two different libraries with zero deployment issues

Education

Olin College of Engineering Dec 2023

B.S. in Electrical and Computer Engineering

Notable courses include

- Modeling and Simulation of the Physical World
- Software Systems
- Computer Architecture
- Analog and Digital Communication

Skills

C	MATLAB	FreeRTOS	ASL
Rust	KiCad	Git	Jazz Bass
Python	Docker	TCP/IP	Cooking