

# Software and Embedded Systems Engineer

Austin Hutchen

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Website: <http://austinhutchen.github.io/austinscode>

## Experience

### Software Engineer Intern - FormFactor Inc.

**May 2024 - Aug 2024 · 4 months**

*Boulder, Colorado, United States · On-site*

Built an RS232 C# NuGet library for ModBus ASCII/RTU drivers and simulators for quantum computing instruments. Drafted engineering decisions for near-zero Kelvin operations.

**Skills:** Software Infrastructure, Algorithms, SAS (Software), Serial ATA (SATA), Failure Analysis, Software Design, NuGet, Documentation, Engineering, C#, Problem Solving, Assembly Language

### Contract Software Engineer - Self-Employed

**Mar 2024 - May 2024 · 3 months**

*Los Angeles County, California, United States · Hybrid*

Developed several modern e-commerce websites with Stripe payment integration using bare HTML, CSS, and TypeScript, replicating Wordpress sites.

**Skills:** Software Infrastructure, Contract Hire, Engineering, C#

### Open Source Developer - GitHub

**Dec 2020 - Apr 2024 · 3 years 5 months**

*United States · Hybrid*

Contributed to Twitter (now X) by optimizing IEEE floating point vectorization, improving efficiency. Created IoT devices like ChatGPT clones, plant waterers, and LED walls. Projects at [github.com/austinhutchen](https://github.com/austinhutchen).

**Skills:** Software Infrastructure, Code Review, OSC, Internet Software, Engineering, Methodology, Open-Source Software

### Calculus 2 Learning Assistant - University of Colorado Boulder

**Jan 2023 - May 2023 · 5 months**

*United States · On-site*

Supported faculty in Calculus 2 (MATH 2300), holding weekly office hours and guiding students.

**Skills:** Leadership, Teaching, Mathematics Education, Applied Mathematics, Web

## Applications, Communication

### Digital Marketing Consultant - Mobius Materials

**May 2021 - Aug 2021 · 4 months**

*Remote*

Executed email marketing, analyzed analytics, and developed content strategies to enhance brand visibility.

**Skills: Teamwork, Marketing, Software Development, Project Management, Communication**