Software and Embedded Systems Engineer

Austin Hutchen

Email: hutchencodes@gmail.com

Website: austinhutchen.github.io/austinscode

Experience

Software Engineer Intern - FormFactor Inc.

May 2024 - Aug 2024 · 4 months

Boulder, Colorado, United States · On-site

Developed an RS232 C# NuGet library for ModBus ASCII/RTU drivers and simulators for quantum computing instruments. Assisted in drafting 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

Created multiple modern e-commerce websites with Stripe payment integration, utilizing pure HTML, CSS, and TypeScript to replicate complex 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 optimization projects for Twitter (now X) by enhancing IEE floating-point vectorization. Developed IoT projects, including ChatGPT clones, automated plant waterers, and LED displays. See projects at 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

Assisted in teaching Calculus 2 (MATH 2300) by hosting weekly office hours and guiding students through complex mathematical concepts.

Skills: Leadership, Teaching, Mathematics Education, Applied Mathematics, Web Applications, Communication

Digital Marketing Consultant - Mobius Materials

May 2021 - Aug 2021 · 4 months

Remote

Managed email marketing campaigns, analyzed web analytics, and developed strategies to increase brand awareness.

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