

Ryan Rumana

Emeryville, California | (850)556-6681 | ryan.rumana@gmail.com | [Linkedin Link](#) | [Github Link](#)

WORK EXPERIENCE

Axial3D

Belfast, United Kingdom (Remote)

Software Support Engineer

Jun 2024 - Present

- Driving a user-centered website modernization initiative based on iterative testing.
- Supporting and enhancing a Spring-based REST API for processing DICOM images.

Entegriion

Durham, North Carolina (Remote)

Software Engineer

Jun 2022 - Mar 2024

- Developed data processing and visualization tools to interface with viscoelastic coagulation monitor.
- Engineered custom SQL databases to efficiently store and retrieve research data.

Amergint Technologies

Colorado Springs, Colorado

Software Engineer Intern

May 2022 - Aug 2022

- Maintained server-side code in C++/Python for custom OS environments, resolving critical bugs.
- Provided hands-on troubleshooting on Linux servers, ensuring swift client support and system reliability.

Axial3D

Belfast, United Kingdom (Remote)

Software Engineer Intern

Jun 2020 - Oct 2021

- Developed tools to automate mesh comparison and processing pipelines, saving hundreds of hours for operations.
- Authored and documented production-level code that remains in active use.

PROJECTS

Stanford EE292D ML on Embedded Systems

Palo Alto, California

Final Project

Apr 2024 - Jul 2024

- Developed an on-device person reidentification application for the Raspberry Pi.
- Overcame limited computing power using aggressive quantization and optimized data structures under tight deadlines.
- Invited to present our on-device person reidentification research at Stanford's ACT4AERO workshop.

Personal Github

Emeryville, California

Password Manager

Feb 2024 - Present

- Developing a secure, self-hosted password manager in Rust per NIST SP 800-63 standards.
- Implementing robust server-side functions for secure storage and on-demand delivery.

BoxLock

Atlanta, Georgia (Remote)

Advanced Data Analyst

Mar 2024 - Jul 2024

- Analyzed usage trends to identify growth opportunities and tailor customer recommendations.
- Successfully Identified areas for predictive analytics, machine learning applications to enhance device utilization

EDUCATION

Colorado School of Mines

Golden, Colorado

MS in Computer Science

BS in Computer Science

SKILLS

Technologies: C++, Rust, Python, Java, C, SQL, AWS (Cloud Practitioner), Docker, CI/CD, Git, Confluence, JIRA

Expertise: Software Development, Machine Learning, Solving Problems, Agile Collaboration, Brainstorming

Interests: Home lab management, Linux customization, Hiking, Competitive swimming, Snowboarding, Triathlons