Ryan Rumana

Emeryville, California | ryan.rumana@gmail.com | Linkedin Link | Github Link | Portfolio

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.

Entegrion   **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 - Machine Learning   *Graduation Date: May 2023*
BS in Computer Science - Computer Engineering   *Graduation Date: May 2022*

SKILLS

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

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

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