Ryan Rumana

Emeryville, California | (850)556-6681 | ryan.rumana@gmail.com | <u>Linkedin Link</u> | <u>Github Link</u>

WORK EXPERIENCE

Axial3D **Belfast, United Kingdom (Remote)**
Software Support Engineer *Jun 2024 - Present*

- Spearheaded project to modernize and streamline user facing website assets.
- Supports the development and maintenance of a Spring based REST API enabling the processing of DICOM images.

Entegrion **Durham, North Carolina (Remote)**
Software Engineer *Jun 2022 - Mar 2024*

- Developed visualization tools using Python and C++ to interface with viscoelastic coagulation monitor.
- Designed custom SQL databases to store and retrieve researcher data.

Amergint Technologies **Colorado Springs, Colorado**
Software Engineer Intern *May 2022 - Aug 2022*

- Developed and maintained server-side code using C++ and Python on custom operating systems, delivering key bug fixes and documenting projects.
- 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*

- Automated the mesh comparison and processing pipelines using Python and C++ in a Linux environment, saving hundreds of hours per month for operations.
- Developed and documented code that's still in production.

PROJECTS

Stanford EE292D ML on Embedded Systems **Palo Alto, California**
Final Project *Apr 2024 - Jul 2024*

- Created an application for on-device person reidentification, eliminating the need for central server processing.
- Successfully quantized Yolov8 and ResNet50 to demonstrate smooth, edge-based operation on Raspberry Pi.

Personal Github **Emeryville, California**
Password Manager *Feb 2024 - Present*

- Developing a secure, self-hostable password manager in Rust based on NIST SP 800-63
- Implementing server functions for secure password storage and on-demand delivery.

BoxLock **Atlanta, Georgia (Remote)**
Advanced Data Analyst *Mar 2024 - Jul 2024*

- Provided a detailed audit and opportunity analysis of BoxLock's data structures, KPIs, and value metrics.
- Successfully Identified areas for predictive analytics, machine learning applications to enhance device utilization

EDUCATION

Colorado School of Mines **Golden, Colorado**
MS in Computer Science *Graduation Date: May 2023*

Colorado School of Mines **Golden, Colorado**
BS in Computer Engineering *Graduation Date: May 2023*

SKILLS

Technologies: C++, Rust, Python, Java, C, Linux, SQL, MySQL, AWS Cloud Practitioner, Git, Confluence, JIRA

Skills: Software Enginering, Machine Learning, Leadership, Problem Solving, Collaboration, Learning new tools

Interests: Linux Ricing, Home networking, Hiking, Competitive swimming, Snowboarding, Triathalons