

EATON WU

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Education

Rochester Institute of Technology
Bachelor of Science in Computer Science

Rochester, NY
May 2024

Skills/Experience

Programming Languages:

C++, C, C#, Java, Python, Rust, Racket/Scheme, HTML/CSS/JavaScript, Perl5, Bash, Angular (TypeScript)

Technologies: TCP/IP, Git, Relational Databases, SQL, Django, Kubernetes, Microsoft 365, Network Infrastructure, Troubleshooting Windows/macOS, Excel

Work Experience

Software Engineering Intern, Automated Testing Team

January 2023 - July 2023

Persistent Systems, LLC

- Communicated with clients and internal teams to schedule appointments to diagnose and resolve complex network issues
- Developed automated processes to generate Excel sheets and graphs, significantly reducing time and workload.
- Designed and refactored various automated tests for different components of military radios (Audio Quality, LEDs, Video Latency, Power Consumption) using Python and Perl5
- Created tools to programmatically interact with web interface of radios and remote power supplies with Selenium

Software Engineering Intern, Kafka Operations Team

August 2022 - December 2022

UKG (Ultimate Kronos Group)

- Automated routine tasks and workflows, contributing to the overall productivity and efficiency of the DevOps team.
- Built internal tools for DevOps use, such as a YAML Diffing tool, as well as a Kubernetes controller for deployments and services using Python.
- Created integration and unit tests for a hierarchical configuration server, utilizing tox/pytest

Projects

Business Data Harvester and Web Identifier | Rust

- Developed software to parse SEC company data to create a list of companies
- Utilized scripts to automate queries to the Google API, retrieving relevant website URLs for various companies, including any known company aliases and their career pages for job postings
- Optimized API usage to stay within usage limits while maximizing data retrieval efficiency.

Stock Market News Article Sentiment Analysis Tool (2024) | Rust

- Processed news articles obtained using NewsAPI to classify market sentiment of companies as positive or negative for stock market prediction purposes using weighted majority voting of various BERT models
- Implemented cross-validation to assess accuracy of model, reaching 88% accuracy.

Activities

- Electric Vehicle Team (EVT), Member Aug 2023 - May 2024
- RIT Society of Software Engineers, Mentor Aug 2023 - May 2024
- Engineers for a Sustainable World (ESW), Member Aug 2021 - May 2024