ROBERT YIN

Based in Boston, MA.
Available for May 2023.
References available upon request.

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SKILLS

Languages
Python
Rust
Java
HTML
CSS

Software
Git
Unix
Docker
Jupyter Notebook

Processes
Agile/Scrum
CI/CD
Version Control
Code Review

CERTIFICATES

LinkedIn: Kubernetes
LinkedIn: Docker

PERSONAL INTERESTS

Cooking
Photography
Skateboarding

EXPERIENCE

Python Software Engineering Co-op at MORSE Corp.

January 2022 – August 2022

Supported CI/CD, Git, and Python best practices for internal infrastructure code.

Facilitated code reviews and ticket creation in an agile, sprint-based environment.

Initiated Python to Rust refactor for an experimental side project.

Software Engineering Co-op at Wayfair

January 2021 – August 2021

Implemented DevOps practices to maintain and improve CI/CD platform for thousands of engineers.

Completed and created tasks and goals with teammates using the Scrum/Agile framework.

Developed communication workflows and a ChatOps bot to automate deploy troubleshooting.

Built an internal decoupled web service to uncover hidden toil in troubleshooting requests.

Teaching Assistant at Northeastern University

September 2020 – December 2021

Guided office hours to review key concepts for the Discrete Structures course for dozens of students.

Graded a score problem sets and exams on a weekly basis.

EDUCATION

B.S. in Computer Science at Northeastern University

September 2019 – Present (Expected May 2023)

GPA: 3.67

Coursework: Software Development, Algorithms, Object-Oriented Design, Machine Learning and Data Mining I, Natural Language Processing, Networks, Theory of Computation, Computer Systems

PROJECTS

MBTA-RS

Personal Project

Public Rust library for accessing the Massachusetts Bay Transportation Authority (MBTA) API.

Created as an alternative to inadequate auto-generated API interfaces.

Built using Rust and published to crates.io.

Spotify Song Genre Prediction

Machine Learning and Data Mining I

Collaborated with two parters to train, cross-validate, and test three algorithms to classify genres of Spotify songs based on auditory features.

Built using the Scikit-learn, Pandas, and Seaborn Python libraries in a Jupyter Notebook environment.

ExCELlence Animator

Object-Oriented Design

Collaborated with a partner to build a simple cel animator with the ability to view, edit, and export.

Developed using the Java Swing GUI library and MVC design principles.