

Richard Zhao

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EDUCATION

Suffolk University

Boston, MA

Bachelor of Science, Major: **Computer Science**, GPA: 3.5

May 2023

Honors: Dean's List, Full Ride Scholarship Student

WORK EXPERIENCE

Square Tech

Boston, MA

Computer Science Training Instructor

June 2022–May 2023

- Developed and organized college level courses in Python for high school students, programs consisting of slide presentations, coding examples, and in class exercises.
- Assigned final projects to students to be presented at Square Tech's end of program presentations.
- Gained hands on experience with taking apart and putting back together customized gaming PCs.
- Cooperated with Network Support from Tech Networks of Boston to replace old computers and install new computers to connect onto a local domain and install new software.

Registry of Deeds

Boston, MA

Documentation Management Intern

June 2021–August 2021

- Updated ROD database and proofread recorded land documents for errors and recorded found errors to be corrected.
- Sorted unorganized ROD documents such as Suffolk County building plans and tax files numerically by label code.
- Collaborated with other interns and created a library of building plans, signed deeds, and land ownership documents by volume number, allowing easy access when needed.

PROJECTS

C Webserver

- Worked with a partner to build a simple C based webserver with POSIX functions and system calls. Implemented multithreading and client/server communication through sockets. Added caching to previously read documents and GET request servicing.

Python Flask CRUD Web Application

- Created a prototype university student database with front end implementation via HTML and Bootstrap, and a backend Python Flask framework that connected to a MySQL database. Front end interface allowed users basic CRUD functionality on any relational data sets and querying student courses data based on ID searched.

Notables on Wiki

- Implemented a Python web scraping application with BeautifulSoup which acquired the name of a person, birth year, and the year of death from a Wikipedia article. The process is repeated twice with anyone notable mentioned in the article and outputs the result to a CSV file.

Java Spring Webserver

- Created employee management system in Java Spring Boot with basic CRUD implementation and connections to a MySQL database. Utilized Spring Security for a simple user login feature.

SKILLS

Coding: Python, Java, Spring, C++, C, Qt, SQL, HTML, CSS, JavaScript, Bash

Python Modules: BeautifulSoup, JSON, CSV, Pandas, Flask, NLTK, Tkinter, Django

Knowledge of: GitHub, Linux Environment, GUI Application, Computer Hardware, MS Office, Excel, MS PowerPoint