

Richard Zhao

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SKILLS

Languages: Python, Java, C, C++, SQL, HTML, CSS, TypeScript, JavaScript, Assembly,

Frameworks and Libraries: Angular, Spring (Java), Qt (C++), Flask, Django, Tkinter, JSON, NLTK, BeautifulSoup

Knowledge of: GitHub, Linux, GUI Application, Computer Hardware

EDUCATION

Suffolk University - *Bachelor of Science, Computer Science*

📍 Boston, MA | Sep 2019–May 2023

Honors: Dean's List, Full Ride Scholarship Student

GPA: 3.5

RELEVANT COURSEWORK

Computer Science I & II - Python/Java

Data Structures and Algorithms - Java

Computer Architecture

Computer Networks

Operating Systems

Object-Oriented Programming

Introduction to Data Science

Introduction to Databases

Calculus I & II

WORK EXPERIENCE

Square Tech - *Computer Science/IT Training Instructor*

📍 Boston, MA | Jun 2022–May 2023

- Designed and structured comprehensive 6–12-week college-level Python courses tailored for high school students. Crafted engaging slide presentations, coding examples, and in-class exercises to facilitate effective learning.
- Devised stimulating final projects, enabling students to demonstrate their acquired skills through presentations at Square Tech's prestigious end-of-program events.
- Gained valuable hands-on experience in disassembling and reassembling customized gaming PCs, deepening knowledge of computer hardware and troubleshooting techniques.
- Collaborated seamlessly with Tech Networks of Boston's Network Support team to upgrade computer systems. Assisted in replacing outdated computers and seamlessly integrating new machines onto a local domain while installing essential software to optimize performance.

Registry of Deed - *Documentation Management Intern*

📍 Boston, MA | Jun 2021–Aug 2021

- Diligently maintained and updated the Registry of Deeds database, ensuring accuracy and precision in recorded land documents.
- Conducted proofreading of recorded land documents, promptly identifying errors and initiating the process for their correction.
- Organized and categorized unsorted Registry of Deeds documents, such as Suffolk County building plans and tax files, by label code, streamlining access and retrieval.
- Fostered effective teamwork and collaboration with fellow interns to establish a comprehensive library of building plans, signed deeds, and land ownership documents, expertly arranged by volume number for seamless accessibility as required.

PROJECTS

C Webserver

- Collaborated with a team member to develop a C webserver using POSIX functions and system calls. Implemented multithreading and enable seamless client/server communication via sockets. Integrated caching functionality for previously accessed documents and optimized GET request servicing.

Workflow Database Micro-service

- 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.

PORTFOLIO

Link: <https://richard-zhao132.github.io/>