

Richard Zhao

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EDUCATION

Suffolk University - Bachelor of Science, Computer Science

Boston, MA | Sept 2019–May 2023

Honors: Dean's List, Cum laude, Full Scholarship Student **GPA:** 3.5

Relevant coursework: *Computer Science I & II - Python/Java, Data Structures and Algorithms – Java, Computer Networks, Operating Systems, Object-Oriented Programming, Introduction to Data Science, Introduction to Databases*

SKILLS

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

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

Tools: AWS, GitHub, Linux, GUI Application, Computer Hardware

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

CS PROJECTS

University Student Database RESTful API

- Developed a user-friendly Python system to manage a university's database, making it easy to add, retrieve, update, or delete student, class, and teacher data. Users can quickly access information, such as class data for students through their unique student IDs, via a straightforward interface created with HTML and Bootstrap.

Employee Management System RESTful API

- Engineered a secure Employee Management System using Java Spring Boot that seamlessly integrates with a MySQL Database. The system includes user authentication for added security, demonstrating my ability to create efficient and protected software solutions.

PDF Splitter/Merger Utility in Python

- Designed a Python utility using PyPDF2 that allows users to effortlessly merge two PDF files or split a single PDF into two documents. The tool simplifies tasks by accepting direct file paths for a user-friendly experience, showcasing my problem-solving skills and Python proficiency.

Wordle In Python

- Developed a Python version of the popular word puzzle game, Wordle, using NLTK (Natural Language ToolKit). This implementation allows users to play the game without the usual 24-hour waiting period for a new word, highlighting my innovation and natural language processing skills.

WORK EXPERIENCE

Square Tech - Computer Science Training Instructor

Boston, MA | Jun 2022–May 2023

- Designed and structured comprehensive 6–12-week college-level Python courses for high school students.
- Crafted engaging slide presentations, coding simulations, and in-class exercises to facilitate effective learning.
- Devised and graded stimulating final projects, enabling students to demonstrate their acquired skills.

Square Tech - IT Training Instructor

Boston, MA | Jun 2022–May 2023

- 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.
- Replaced computers and integrated new machines onto a local domain while installing essential software

Registry of Deed - Documentation Management Intern

Boston, MA | Jun 2021–Aug 2021

- Maintained and updated the ROD database, ensuring accuracy and precision in recorded land documents.
- Conducted proofreading of recorded land documents, identifying errors, and initiating the correction process.
- Organized and categorized unsorted Registry of Deeds documents, such as Suffolk County building plans and tax files, by label code, streamlining access and retrieval.
- Established a comprehensive library of building plans, signed deeds, and land ownership documents, expertly arranged by volume number for seamless accessibility as required