Tianyi Zheng

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Education

University of Pittsburgh, Pittsburgh, PA   Aug 2020 - Apr 2024

B.S. Computer Science   GPA: 3.73/4.0

- Relevant Coursework: Algorithms, Data Structures, Systems Software, Computer Organization, Theoretical Computation, Discrete Structures, Intermediate Programming

Experience

Bridge the Gap, Pittsburgh, PA   May 2021 - Present

App Developer

- Volunteer as a developer for a student-led initiative to create a medical language-learning app for healthcare professionals
- Set up back-end functionalities to store user data and communicate with user interface

University of Pittsburgh, Pittsburgh, PA   Jan 2021 - May 2021

Undergraduate Teaching Assistant — CS 0441 (Discrete Structures for CS)

- Developed practice problems for students to review lecture topics
- Led weekly recitations to go over practice problems

Projects

patientPrep (HTML, SASS, TypeScript, Ionic, AngularJS)   **GitHub:** git.io/JkvQ4

- Prototyped a health literacy app with a team for The Pitt Challenge hackathon
- Implemented user interface and basic app functionalities

What's That Movie? (HTML, CSS, JavaScript, Node.js, React)   **GitHub:** git.io/JnnBo

- Developed a web app that retrieves information on movies
- Provided a user-friendly way to look up basic details for thousands of movie titles

Internship Tracker (Python, SQLite)

- Wrote a program that populates a Trello board with internship listings
- Streamlined my internship application process and kept myself updated on the newest listings

Text File Compressor (C++)

- Implemented a lossless compression algorithm to compress text files
- Compressed text files by up to 40%

Skills

Languages: Python, Java, C++, HTML, CSS   **Technologies:** SQLite, Git/GitHub, React, Node.js

Activities

The Pitt Challenge Hackathon — 1ˢᵗ Place in Mobile Health Records   Oct 2020

Kappa Theta Pi (Professional Technology Fraternity)   Sep 2020 - Present

Pitt Computer Science Club   Aug 2020 - Present