Tianyi Zheng

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Education

University of Pittsburgh, Pittsburgh, PA   Aug 2020 - Apr 2024
B.S. Computer Science   GPA: 3.69/4.0
  · Relevant Coursework: Algorithms, Data Structures, Systems Software, Computer Organization,
    Theoretical Computation, Discrete Structures, Calculus 1/2/3, Statistics

Tesoro High School, Las Flores, CA   Aug 2016 - Jun 2020
High School Diploma   GPA: 4.53/4.0
  · Graduated in top 10% of graduating class

Experience

University of Pittsburgh, Pittsburgh, PA   Jan 2021 - Present
Undergraduate Teaching Assistant — CS 0441 (Discrete Structures for CS)
  · Develop practice problems for students to review lecture topics
  · Lead weekly recitations to go over practice problems
  · Hold weekly office hours to provide additional support to students

Projects

patientPrep (HTML, SASS, TypeScript, Ionic, AngularJS)   *GitHub:* *git.io/JkvQ4*
  · Prototyped a health literacy app with a team for The Pitt Challenge hackathon
  · Learned mobile front-end development using JavaScript frameworks
  · Implemented user interface and basic app functionalities

PeopleSoftBot (Python, PittAPI)
  · Developed a Discord bot that retrieves data from Pitt's student information system
  · Learned web scraping and HTTP requests using Python
  · Provided Pitt students with convenient access to course information

Text File Compressor (C++)
  · Implemented a lossless compression algorithm to compress text files
  · Learned file I/O and bit manipulation in C++
  · Compressed text files by up to 40%

Skills

Languages: C++, Python, Java, HTML, CSS   **Technologies:** Git/GitHub, LaTeX, Vim

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
Society of Asian Scientists and Engineers   Aug 2020 - Present