

# Tianyi Zheng

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## Education

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**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

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**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

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**patientPrep** (HTML, SASS, TypeScript, Ionic, AngularJS) **GitHub:** [git.io/JkvQ4](https://github.com/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

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**Languages:** C++, Python, Java, HTML, CSS

**Technologies:** Git/GitHub, LaTeX, Vim

## Activities

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**The Pitt Challenge Hackathon — 1<sup>st</sup> Place in Mobile Health Records** Oct 2020

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

**Pitt Computer Science Club** Aug 2020 - Present