Tianyi Zheng

✉ tianyizheng02@gmail.com   ☎ (949) 656-5008   🗔 tianyizheng02.github.io

in linkedin.com/in/tianyizheng02   ⌗ github.com/tianyizheng02

Education

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

B.S. Computer Science   GPA: 3.69/4.0

- Relevant Coursework: Data Structures, Systems Software, Statistics, Computer Organization, Discrete Structures, Calculus 1/2/3

Tesoro High School, Rancho Santa Margarita, CA   Aug 2016 - Jun 2020

High School Diploma   GPA: 4.53/4.0

- Graduated in top 10% of graduating class

Projects

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

- Worked with a team to develop a health literacy app for The Pitt Challenge 2020 hackathon
- Learned mobile app front-end development using the Ionic and AngularJS frameworks
- Implemented user interface and basic app functionalities
- Won first place in the Mobile Health Records track

Game of Life (JavaScript, p5.js)

- Implemented Conway's Game of Life in a web browser
- Learned how to create visuals using the p5.js JavaScript library
- Generated a toroidal game grid that allowed the user to input custom starting states

Huffman Coding (C++)

- Implemented Huffman coding to compress and decompress text files
- Learned file I/O and bit manipulation in C++
- Generated custom Huffman binary trees for a given text file
- Compressed text files by up to 40%

Skills

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

Technologies: Git/GitHub, LaTeX, Vim

Activities

Pitt Computer Science Club   Aug 2020 - Present

Society for Asian Scientists and Engineers   Aug 2020 - Present

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