Jimmy Zheng

📱 (425) 350-1868   ✉️ jimmyz0622@gmail.com

in jimmy-zheng

⌾ ByteSizeError

📍 Seattle, WA

EDUCATION

Washington State University   *AUGUST 2017 - DECEMBER 2020*
Major in Computer Science, Minor in Mathematics
Honors: *magna cum laude*

EXPERIENCE

Computer Science Tutor — *Freelance*   JANUARY 2021 - PRESENT
- Coached multiple college students, one-on-one remotely.
- Guided students through computer science topics and programming.
- Encourage students for their feedback and motivate their learning.

PROJECTS

WeatherBook
— *JavaScript, HTML, CSS, MongoDB, AWS, GitHub, React, Express.js*
- Developed an app with a modern UI that can view conditions at specific locations as well as saving them to a journal for future reference.
- Led a team of 5 overseeing the creation of this web app.
- Delegated work evenly by each team member's knowledge.
- Assured each of our scrum sprints was on schedule.

Microsoft's DCCD Charitable Giving Management App
— *JavaScript, HTML, CSS, PostgreSQL, GitHub, Node.js, npm*
- Streamlined the charitable giving team's workflow by keeping track of applications and ease of modifying their budget for each region.
- Automated a system for the 400+ organizations they are working with.
- Ensured security by using hashed passwords and page restrictions.
- Placed 3rd for Computer Science Senior Design Competition.

Yelp Recommendation App
— *Python, AWS, PySpark, PostgreSQL*
- Refined 12 gigabytes of Yelp data consisting of over 2 million users to recommendations of businesses and friends in under 20 seconds.
- Applied user-based collaborative filtering for the recommendation.

MTX OS
— *C, Assembly, Ubuntu*
- Assembled an operating system that has support for the EXT2 filesystem and is 100% compatible with Linux OS.
- Able to read, write and modify files as well as create and delete folders.
- Can handle multiple logins and support the majority of UNIX syscalls.

BucketList App
— *Swift, SQLite, PhotoKit*
- Allows the user to track personal interest: foods, travel, activities, etc.
- Users can likewise create additional sections they want.

RPG Life Manager (CrimsonCode Hackathon 2019)
— *Android Studio, Java, GitHub*
- A fun way for users to track progress on goals in a game-like experience.
- Cooperated with 3 other people in a time-constricted competition.

Logic Escapist (CrimsonCode Hackathon 2018)
— *Unity, C#, GitHub*
- Created a 2D platform puzzle game that involves logic gates.
- Worked in a team of 3 each delegated to perform a separate task.
- Oversaw the game design and programming animations.

MY PORTFOLIO

https://bytesizeerror.github.io/

SKILLS

Programming Languages
Python — advanced
C/C++ — advanced
HTML — advanced
CSS — advanced
JavaScript — advanced
Java — intermediate
Swift — intermediate

Programming Tools
Git, AWS, Yaml, PostgreSQL, React, Node.js, npm, MongoDB, Express.js, jQuery, Bootstrap, Agile Scrum Methodology, Waterfall Methodology

Relevant Coursework
Web Development
Mobile App Development
Artificial Intelligence
Operating Systems &
Computer Architecture
Design & Analysis Algorithms
Advanced Data Structure
Computer Networks
Software Design Project
Software Engineering
Database Systems
Big Data

Languages
English, Mandarin, Fujianese

AWARDS

Senior Design Competition
Awarded 3rd place in the Fall 2020 Computer Science Senior Design Competition.

President's Honor Roll
2018 Spring, Fall
2019 Spring, Summer, Fall
2020 Fall

STARS Scholarship
2017 - 2018 academic year
2018 - 2019 academic year

EECS General Scholarship
2018 - 2019 academic year