

# Jimmy Zheng

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in jimmy-zheng

🐙 ByteSizeError

📍 Seattle, WA

## EXPERIENCE

### Computer Science Tutor — Private Tutor

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

### My Portfolio

— JavaScript, HTML, CSS, GitHub

- <https://bytesizeerror.github.io/>
- Learn more about me on my website.

### 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.

## EDUCATION

### Washington State University

AUGUST 2017 - DECEMBER 2020

Bachelor of Science

Major in Computer Science

Minor in Mathematics

Honors: *magna cum laude*

## SKILLS

### Programming Languages

Python, C++, C, Java, Swift,  
HTML, CSS, JavaScript

### Programming Tools

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