Yufei Wu

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EDUCATION

Northeastern University, San Jose, CA   July 2023 - Present
Master of Science in Computer Science, GPA: 4.00/4.00
Related Courses: Data Structures, Algorithms and Applications within Computer Systems, Object-Oriented Design, Intensive Foundation of Computer Science, Discrete Structures

The Ohio State University, Columbus, OH   January 2021 - December 2022
Master of Arts in Education: Multilingual Language Education, GPA: 4.00/4.00

Wuhan University, Wuhan, China   September 2014 - June 2018
Bachelor of Arts in English, GPA: 3.61/4.00

PROJECTS

Full stack User Registration and Login Webpage

· Built a Spring Framework based RESTful API which supported users registration and login backed by MySQL databases
· Implemented user session management with Redis to support better user login experience by removing redundant login
· Implemented users login frontend webpage with Angular framework
· Deployed the service on AWS Elastic Beanstalk which can be accessed publicly

Pomodoro

· Developed a time management tool in Python which supported tracking work and rest time based on Pomodoro technique
· Integrated with SQLite database to store and retrieve work times for individual user

AI Game Programming

· Created an online multiplayer board game with Node.js and sockets message
· Designed and implemented a 2D soccer game with AI engine that supported non player characters acting intelligently with JavaScript
· Designed and built collision detection engine and animation update engine which made the game run smoothly

ETF Passive Investment Analysis Tool

· Implemented a Python script to interact with Yahoo Finance API to retrieve ETF history information, analyze them programmatically which help decide investment strategy

SKILLS

Languages	Java, Python, C/C++, JavaScript, SQL, Bash script
Databases	MySQL, SQLite
Web Technologies	HTML, CSS, PHP, Angular, Node.js
Platform/Frameworks	Git, Linux, Linux Commnad Line, Spring, Redis, Docker, Kubernetes, Docker, AWS Elastic Beanstalk

WORK EXPERIENCE

Acme Education Group, Inc.   Palo Alto, CA
Afterschool Program Teacher   May 2022- August 2022

· Planned and executed age-appropriate teaching activities for 20+ kindergarteners, such as Jr. Entrepreneurs Summer Camp and Jr. Scientists Summer Camp
· Collaborated with other teachers and staff to provide the various afterschool enrichment program to the parents and community, such as Acme Charity Sale
· Communicated effectively and appropriately with parents, including open houses, parent conferences, etc.