Bohan Yang

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SKILLS

- Programming Languages: Java, Python, C#, C, JavaScript, SQL, HTML, CSS, R, Erlang
- Technology: Git, GitHub, MySQL

BACKGROUND

Active U.S. Government Secret Clearance. *May 2022*
U.S. Air Force Reserve, Air Transportation, Staff Sergeant *Sep 2021 – Present*
U.S. Army, Active Duty, Infantry, Sergeant *May 2016 – Sep 2020*

EDUCATION

University of Washington *September 2020 – Expected June 2023*
B.S. in Computer Science
*Cumulative GPA:**3.8**/4.0 (Dean's List 2020 - 2022)*
Relevant Courses: Object-Oriented Programming (Java), Data Structure, Algorithm, Intro of Artificial Intelligence (Java), Natural Language Processing (Python), Operating System (C), Machine Learning (Python)

St. Martin University *May 2020 – Aug 2020*
Certificate in Microsoft Software & System Academy (MSSA)
*Cumulative GPA:**3.89**/4.0*
Relevant Courses: Computing Tech (Python), App Dev and Advanced App Dev (C#), SQL & App Development (SQL), Dev ASP.NET Web Apps(.NET), Dev Cloud Solutions (Azure)

Riverland Community College *January 2013 – May 2016*
Associate of Science
*Cumulative GPA:**3.5**/4.0*

PROJECT

Back End: Trivia Maze (Java) (Software Development and Quality Assurance Techniques)

- Designed a GUI game that is a 3-man team-based project using Java and SQLite followed by Object Oriented principles and design pattern "Model-View-Controller". Implemented GUI along with music in background, created database and used SQLite to incorporate with the game, and serialization of the game. Teamwork with basic version control, git, and GitHub.

Back End: Power Grid (Java) (Design and Analysis of Algorithms)

- Constructed the power grid in a scenario that an area had catastrophe. By giving a list of all places of a txt file and the cost between two places. Read and understand the provided Java code. Used a graph ADT to implement Kruskal's algorithm and its implementation of "Union-Find", "Min-Heap", and "uptree" by using Java to quickly figure out the minimum spanning tree so that quickly to find out how to build power grid in the area with the minimum cost.

Full Stack: Join_Us (JavaScript, SQL, HTML, CSS) (Udemy SQL course)

- Designed and implemented a web app called "Join_Us" that incorporates with Node.js records users' emails that using SQL command to save to local database. Using HTML to capture a user's action and respond to backend that triggers SQL query to save and send back the total count in the database. CSS incorporates with HTML to make the web app more user friendly

WORK EXPERIENCE

Course Facilitator Tacoma, WA
University of Washington *June 2022 – Present*

- Facilitated over 40 students in senior year that gives fellow students who are taking "Data Structure" and "Algorithm Design" courses that develop team-development strategies by creating worksheets from the past work/experience, encourage learning through team building, cooperative learning and be able to provide, present, and explain answers thoroughly.