Garrett King

214-930-6163 | gkings5464@gmail.com | www.linkedin.com/in/gking5464

EDUCATION

Western Washington University — Bellingham, WA
Bachelor's in Computer Science — *Aug. 2018 – Dec. 2023*

EXPERIENCE

Whatcom Coders — Apr. 2022 – Present
Western Washington University — *Bellingham, WA*
- Learned frameworks and design of applications with assistance from WWU alumni in the field
- Weekly leetcode power hour where club members and leaders solve realistic industry interview questions
- Collaborated with students and alumni to apply what we learn to personal projects of our choice

CS Mentoring Program — Aug. 2022 – Present
Western Washington University — *Bellingham, WA*
- Provide guidance, encouragment and support to less experienced students interested in pursuing a major in the computer science department
- Personal growth in professional development, communication and leadership skills
- Networking with department professors and other students of similar experience

Bartender/Server — Oct. 2018 – June 2022
MIX Restaurants — *Bellingham, WA*
- Worked with breweries and distributers as beer representative for local businesses
- Lightbox food photography, bar and restaurant construction

PROJECTS

Salish Sea Smart Buoy | *Dart, Docker, Javascript, MySQL, React* — Jan. 2023 – Present
- Added functionality that could retrieve data from sensors in the water to populate a database.
- Used Flutter to implement bluetooth connectivity, allowing users to connect to water sensors via Android device.
- Implemented a more appealing and responsive web design for retrieving and viewing data from the database.
- Added display feature to phone app that allows the client to view the data retrieved in real time.

Microshell | *C, UNIX* — Oct. 2022 – Dec. 2022
- Wrote software in C to parse user input and mimic the functionality of a UNIX shell.
- Added new functionality to the existing microshell by expanding capabilities of various functions, including recognizing the use of built-in functions.
- Used makefile to streamline changes to code.

TCP Client-Server Message Recorder | *C* — Feb 2023
- Wrote software in C using TCP/IP and the Sockets API to send messages between client and server.
- Extended server functionality to record messages from client to an ASCII text file with Date-Time stamps and the client's IP address.

Stock Investment Strategy | *Java, MySQL* — Nov. 2022
- Built a Java program that analyzes years of stock price data from a MySQL database.
- Executed a stock investment strategy to buy or sell stock based on predetermined set of rules.
- Visualized data to report money gained or lost over time.

N-gram Language Model | *Java, Git* — Jan. 2022 – Apr 2022
- Implemented an n-gram language algorithm to complete sentences based on provided text
- Visualized GitHub data to show collaboration

TECHNICAL SKILLS

Languages: Java, Python, C/C++, CSharp, SQL, JavaScript, UNIX, HTML/CSS, Dart
Frameworks: React, Flask
Developer Tools: Git, VS Code, Visual Studio