

# Garrett King

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## EDUCATION

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### Western Washington University

*Bachelor's in Computer Science*

Bellingham, WA

Aug. 2018 – Dec. 2023

## EXPERIENCE

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### 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, encouragement 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 distributors as beer representative for local businesses
- Lightbox food photography, bar and restaurant construction

## PROJECTS

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### Smart Buoy Mobile App | *Dart, Flutter, Firebase*

Jan. 2023 – Present

- Added functionality to Mobile App to allow retrieval and display of data from connected buoys.
- Used Flutter to implement bluetooth connectivity, allowing users to connect to smart buoys via Android device.
- Implemented a WebAPI to allow sending of data from the app to a web server for viewing on the web.
- Added display feature to phone app that allows the client to validate data retrieved in real time.

### Clock Mobile App | *React-Native, Github, Android Studio*

May 2023

- Built a react-native mobile app that displays user's location and time of day by using the World Time API
- App display and greeting changes based on user's time of day
- Quotes API provides refresh-able quotes for a more professional look
- Implemented animation of pop up menus to show more location information

### 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.

### 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

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**Languages:** Java, React-Native, JavaScript, Dart, Flutter, SQL, C/C++, UNIX, HTML/CSS

**Frameworks:** React, Flask

**Developer Tools:** Github, Git, VS Code, Visual Studio, Android Studio