Isaac Garibay-Zamudio

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EDUCATION

University of Washington   Seattle, WA
BS in Informatics | GPA: 3.70/4.0   *Graduation Date: 6/2023*

- Relevant Courses: Data Structures and Algorithms, Cooperative Software Architectures, Cybersecurity, Database Management System, Client-Side Development, Server-Side Development, Offensive and Defense Cybersecurity, Research Methods, Foundational Skills for Data Science, Multivariable Calculus.

PROJECTS

Spotify Capsule | React.js, Axios   *11/2022 - 12/2022*
Developer   Seattle, WA

- Designed and developed Spotify Capsule, a **minimal and beautiful web ap**p built with **React.js**.
- Leveraged **Spotify's API** with **Axios** to allow authentication to create playlists based on a **time** and a list of **recommendations**.
- Built the front-end user interface with **React.js** and **Amplify UI** to cleanly and effectively display functionality.

Mazes | Java   *5/2022 - 6/2022*
Developer   *Seattle, WA*

- Constructed and solved mazes using **3 different implementations of graph algorithms** that include a **GUI**.
- Implemented disjoint sets to optimize **Kruskal's Algorithm**, then Kruskal's Algorithm to generate mazes, and then **Dijkstra's Algorithm** to solve the mazes.

Building Database Backend | MySQL, Postman, Express   *2/2022 - 3/2022*
Developer   *Seattle, WA*

- Made a **NodeJS/Express** backend server out of a **MySQ**L database created in another project
- From that database, **15 complex transactions** were cataloged. The database connected to the back-end service and constructed a route for transactions that were cataloged.
- For each transaction, **Postman** was used to make **GET** and **POST** requests by sending parameters as JSON bodies in URLs. The requests were then sent to see the JSON query results.

All-in-One Mountain Sports | React.js, Firebase   *10/2021 - 12/2021*
Developer   *Seattle, WA*

- Collaborated with a **group of 4 classmates** on a web app using **React** that's a centralized hub for users to check the weather, rental prices, and reviews at whatever locations desired, which included the use of an **API** and a **Login Page** with **Firebase.**
- Provided a solution to **thousands of people** who wanted to prioritize practicality and simplicity.

Community Politics for Foreign Speaker | Figma, user research   *1/2021 - 3/2021*
Researcher   *Seattle, WA*

- Designed a solution in a **group of 4** for under-represented communities that provided local political information in their given language.
- An easy and convenient website will help **millions of people nationwide** have reliable sources of information.
- Will mitigate the flow of **misinformation i**n under-represented communities.

AWARDS / SKILLS / INTERESTS

Skills: Java | **JavaScript** | HTML/CSS | Bootstrap | **React** | AJAX | **Node.js** | **Express** | R | **MySQL** | Git | OOP | Front-end testing | Server-side | Software development | Databases | Rest API | Data modeling | MongoDB | **Postman | Firebase**
Honors and Awards: Dean's List
Interests: Working out, playing/watching soccer, gaming, music, politics