

Farhan Haziq

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EDUCATION

Colorado State University, Fort Collins, CO
Bachelor of Science, Computer Science, Graduated May 2022;

EXPERIENCE

Developer - Internship Colorado State University
Fort Collins, CO 08/2021 - 12/2021

- Coordinated and developed with 5 persons teams to developed and maintained a single-page web application (SPA).
- Wrote the front-end using **ReactJS** alongside **Java** as its back-end running on **Spring Boot**.
- Improves code test coverage from 60% to 80% by utilizing **JUnit** and **Jest** unit testing suite.
- Practices **Agile** principles and using **Scrum** tools such as **Jira** to track any issues with the application.
- Versioning the code with **Git** via **GitHub** as well as setting up the **CI/CD** on the server via GitHub Actions to ensure timely and continuous development.
- Optimized and refactored a big **MySQL** Query which improves query speed from 1 minute query to 3 second query.

PROJECTS

Lexemes for A fictional programming language:

- Developed a lexemes and compiler for a fictional programming languages using modern **C++**.
- Utilizing the object-oriented programming concept and reduced as much as 35% in code duplication.
- Wrote code compiling automation using **CMake** which increases productivity in writing code by 50%.

Continuous Glucose Monitoring (CGM) using Raspberry Pi:

- Created A continuous glucose monitoring hardware using Raspberry Pi to tracks diabetic glucose level.
- Make use of Raspberry Pi in order to communicate with the Dexcom CGM on the hardware side and Software side are fully written in **Python**.
- Utilizes Pydexcom Python-based API in order to make the RasPi communicate with the Dexcom CGM.
- Decreases the need to use the Dexcom phone app by 25% in order to check for blood-glucose level thus reducing phone dependency.

TECH USED

: C, C++, C#, .NET, Java, JavaScript, TypeScript, Bash, MySQL.