Sabath Rodriguez

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EDUCATION

The University of Utah, junior, *Salt Lake City, Utah*　　　August 2020 – present (graduate in May 2023)
B.S. Computer Science
Minor: Physics

WORK EXPERIENCE

Math/Physics Tutor

Salt Lake Community College, Salt Lake City　　　　　　　　　　　　　January 2022 – present

- Created learning methods for math students from 980-1220 to perform better in tests and get better at homework by instilling confidence in them and encouraging scientifically proven study habits.
- Helped new and incoming students develop good study habits for the future and avoid procrastination by creating feasible study plans for students to stick to.
- Coordinated with work-peers to help students who might need multiple tutors and different approaches to learning
 a difficult subject.

Software Engineer Intern

Healixir Health*, Salt Lake City, Utah*　　　　　　　　　　　　　　May 2020 – August 2020

- Used MVC model to help team develop Android application using Java and Android Studio.
- Optimized existing code to be 15% faster by reducing objects to instead use primitives and 13% more efficient regarding space using better data structures.
- Implemented photo insertion tool into UX by use of MVC for separation of logic and user interface.

PROJECT EXPERIENCE

Portfolio Website　*individual*　　　　　　　　　　　　　　　　　　May 2022-present

- Implemented MVC architecture which allows for easier debugging and easy adjustments.
- Created a website using HTML, CSS, and JS which allows for a lightweight application.
- Created a website using the previously mentioned programming languages and architecture to show other software applications created.

Spreadsheet　*Coursework Project | Collaborative*　　　　　　　　January 2021 – May 2021

- Used TCP sockets to send, receive, and update spreadsheet data from remote server running in Docker container.
- Used compression tools to store and retrieve data locally to users' machine.
- Worked on server to accept and handle incoming network requests from hosts by creating independent threads.