

Sabath Rodriguez

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EDUCATION

B.S. Computer Science

University of Utah, Salt Lake City, UT

August 2020 - May 2023

M.S. Artificial Intelligence and Machine Learning

Colorado State University Global

March 2024 - Present

WORK EXPERIENCE

Software Developer

General Motors

June 2023 - present

- Work on a backend system to register vehicles into GM's backoffice for Over The Air updates using C/C++ which resulted in a more efficient method of register/deregistering vehicles on GM's servers.
- Work on over the air infrastructure, primarily on the CGM. We coordinate with the vehicles on board ECU's and enable them to successfully execute over the air updates.
- Scrum master for the team. Organized meetings and helped peers overcome blockers by connecting them to correct contact(s).
- Functional Representative for gmConnect. Helped organize networking events as well as held meetings with engineers to help inform them about OTA and gmConnect.

Software Engineer Intern

UTA

July 2022 - May 2023

- Developed reducedfaresuta.com by fixing bugs, in the Blazor (C# & .NET) web framework which resulted in a more stable website for our customers
- Worked on more efficient SQL queries using inner joins and table variables for ReducedFares and UTA's MySQL database, which resulted in 50% less data being transmitted between our Azure server and client.
- Developed safer methods of inserting data into UTA's MySQL database with LINQ by sanitizing user input and data which resulted in an overall better security for customer data.

Math Tutor

Salt Lake Community College

January 2022 - July 2022

- Strategized new learning methods for math students from 980-1220 through scientifically proven study habits which resulted in higher passing rates on their finals.
- Helped students develop good study habits by creating realistic study schedules which will allow students to be better prepared for future classes.
- Coordinated with co-workers to help students who need differing approaches to learning a difficult subject which resulted in less stressful sessions for both tutor and student.

Software Engineer Intern

Healixir Health

May 2020 - August 2020

- Used MVC to help develop and debug Healixir Health's Android application using Java, XML, and Android Studio.
- Optimized code to be 15% faster by reducing objects to primitives and using 13% less space by using better data structures.
- Implemented photo insertion tool into UI which allowed users to customize their Healixir device.

Retail Associate

T-mobile

November 2014 - May 2023

- 9 years' experience in maintaining customer relations, leading sales team and implementing technology solutions for #1 store in the district
- Sustain ongoing customer relationships and encourage repeat business by establishing rapport and trust, employing authenticity and adaptability, and creating solutions to best meet customers' needs
- Maintain knowledge of current promotions and sales, payment/exchange policies, and security practices

RESEARCH

- Researching AlphaGo and AlphaGo Zero to find out how general the algorithm is and to what extent it can be applied to
- Researching cutting edge AI techniques to create a robust AI to play and consistently win at RISK board game