

Axl C. Martinez-Ibarra

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A motivated computer science graduate, eager to make a meaningful contribution as part of a highly productive, and innovative team. With confidence in my programming skills and a deep passion for designing and constructing. My goal-driven mindset enables me to excel in communication and collaborate effectively within diverse teams.

Education

University Of Portland | Portland , OR | 2019-2023

B.S., Computer Science

Central Catholic High School | Portland, OR | 2015-2019

Technical Skills

- **Programming Experience:** Java, C/C++, Python, JavaScript, HTML/CSS, Swift, MIPS Assembly
- **Developer Tools:** Visual Studio/Code, Git/GitHub, Android Studio, Firebase, Xcode
- **Frameworks:** React Native, Node.js, Expo, Flutter, Unity, Flask
- **OS:** Linux, MacOS, Windows
- **Relevant Courses:** Data Structures, Object Oriented Design, Software Engineering, Analysis of Algorithms, Computer Architecture, Operating Systems, Compiler Design, IOT Devices,

Experience

Event Coordinator | RP Sports Inc. | Portland, OR

Jun 2022 - Present

- Communicated well with a team in charge of planning and running a soccer league of 50+ teams
- Aided in acquiring new customers through the use of branded social media accounts

Teacher Assistant | University Of Portland | Portland, OR

Oct 2021 - May 2022

- Assisted 30+ students in progressing through CS by answering any course related questions.
- Supported faculty members with grading of assignments, homework, and exams.

Tech Support Specialist | University Of Portland | Portland, OR

Oct 2019 - Oct 2021

- Assisted 100+ Students and Staff with any software/hardware related issues
- Communicated effectively to make sure the fix was learned for future problems

Projects

SoccerIQ | React Native, Firebase, JavaScript, TypeScript, CSS

- Developing a User friendly mobile application that will launch in the app store in the near future.
- Displays a comprehension of multiple layers for a full launch of a mobile application including front and backend development.

IOT SmartBall | C++, Firebase

- Successfully developed a proof of concept, using a minimum viable product for a ball that could connect to the internet to show real time data to a user.
- Implemented the backend data storing, using Google's Firebase framework for real time updates.
- Demonstrated determination and patience while overcoming hardware issues while designing the product.

AR-Webapp | HTML/CSS, JavaScript

- Developed a user friendly Augmented Reality web app using Aframe and D3 libraries.
- Was able to merge my project with another for real time data to be displayed in charts and graphs within a Virtual Reality environment.

PDX Diagnosis Medical App | React Native, JavaScript, PHP

- Designed and developed a user-friendly medical app for Physical Diagnosis PDX using React Native/Expo frameworks and JavaScript.
- Implemented back-end functionality using PHP scripting to retrieve and display data from the client's MySQL database within the app.
- Successfully applied Agile software development principles, conducting requirements presentations, collaborating with clients, conducting sprint/team plannings, and ensuring frequent software delivery.