

Gusaue Elmusraty

PROFESSIONAL SUMMARY

I am eager to take on a challenging, high-energy role that allows me to apply my creative problem-solving skills in a fast-paced environment. I am committed to seizing growing opportunities and making a significant impact in the field of software engineering.

SKILLS

- Languages: C++, C, Java, JavaScript, Python, Dart, and SQL.
- Software Concepts: Object-Oriented Programming, Data Structure, Software Development Cycle, Software Testing Cycle, and Code Management, agile scrum environment, Scripting, Automation UI Testing and end-to-end Testing and Blackbox Testing.
- Frameworks: Flutter, GitHub, Visual Studio Code, TestRail, Fiddler, Pycharm, GitLab, Jira and GIT, Selenium.
- Experienced with Windows, MacOS, Linux OS, GNU Project Debugger (GDB), and Vim environment.

EXPERIENCE

Junior QA Testing Engineer

Sep 2019 - Aug 2022

Novus Lab

Hillsboro, OR

- Conducted comprehensive Graphical User Interface (GUI) and Voice User Interface (VUI) testing across both hardware and software platforms for high-profile projects with Amazon and Facebook such as Google Hub and Amazon Alexa Echo. Utilized advanced techniques, including automated scripts and Android Debugging Bridge (ADB) shell commands.
- Key contributor to Amazon's Astro Robot project functionality testing team. Oversaw test environments and executed comprehensive tests, ensuring the device met quality standards for a successful launch. Played a vital role in delivering a top-notch product to customers.
- Collaborated with the Amazon development team to identify critical bugs on Web-Based applications using Selenium framework, as well as Extracting and analyzing devices logs and wrote detailed bugs reports using Jira and TestRail frameworks providing valuable insights to the product team and contributing to 20% increase in product quality.

Technical Mentor

Aug 2020 - Jun 2022

ICP Robotic Club

Beaverton, OR

- Led instructional sessions for students, focusing on LEGO Mindstorms EV3 and Virtual Brick software, imparting essential skills in robotic programming and computational thinking.
- Provided hands-on assistance to students with software installation and troubleshooting, ensuring a smooth learning experience for all members.
- Actively participated in organizing club events and competitions, fostering a sense of community and camaraderie among students with shared interests in robotics and STEM fields.
- Collaborated with fellow instructors to enhance the club's curriculum, incorporating the latest advancements in robotics technology and educational methods.

Recreation Center Events Coordinator

Sep 2018 - Jun 2020

Portland State University

Beaverton, OR

- Successfully organized and managed high-profile events, including the renowned Portland Light Festival.
- Officiated multiple sports tournaments and events with fairness, ensuring smooth operations.

PROJECTS

- **StressAI** (Apr 2023 - Jun 2023)
Built Android mobile health app using Flutter leveraging machine learning and Flusk API to analyze blink rate and brow position in images, effectively measuring and managing stress levels. Powered by Tensorflow and Keras frameworks for seamless performance.
- **AASPIRE project** (Mar 2022 - Sept 2022)
An IOS and Android mobile application that allows users from the autistic community to answer questions relating to how they best handle doctors visits, and then turns their answers into a pdf document that is formatted such that a medical provider can understand what to do during the user's visit to make them more comfortable.
- **CS Discord-like application** (Sept 2020 - Dec 2020)
A C++ program that supports a CS Discord-like application that allows users to create different chat rooms, direct messaging, and access notifications through the use of Object Oriented techniques.

EDUCATION

Bachelor of Science in Computer Science
Portland State University - Portland, OR

Graduation date: June 2023

- Coursework in Programming Languages, Data Structures, Operating Systems, Unit Testing, Databases, Computer Graphics, and Algorithms.