Candidate QWU1M7

Contact:

Education:
Institution: University of Calgary
Location: Calgary, AB
Degree: Bachelor of Computer Science
Dates: Sep 2014 – May 2019

Institution: Southern Alberta Institute of Technology
Location: Calgary, AB
Degree: Bachelor of Business Administration - Supply Chain Management
Dates: Expected Graduation: April 2025

Experience:
Title: SWE Intern
Dates: Jan 2023 – Dec 2023
Company: General Dynamics
Responsibilities:
- Enhanced system performance by converting unit test suites from .robot to Python, streamlining tests for virtual voice networks and bridges, and reducing runtime by 30-40% while increasing test coverage.
- Improved log accuracy and monitoring by refining regular expressions for automated log scanning, which effectively detected new error patterns.
- Resolved Python test automation defects and tested C++ product code fixes through bug reproduction.
- Actively participated in Product Increment (PI) and sprint planning sessions, and contributed to collaborative code quality improvements by conducting thorough reviews for merge requests on GitLab.

Title: R&D Intern
Dates: June 2022 – Oct 2022
Company: DIFF LAB
Responsibilities:
- Developed and deployed cross-platform AR/VR mobile applications using Unity and Arduino, enabling Bluetooth Low Energy (BLE) for interactive hardware communication.
- Engineered and prototyped microcontroller circuits and capacitive touch interfaces on soft surfaces for research in on-body touch input augmentation with fingernail haptic feedback.

Title: Developer Intern
Dates: May 2021 – Nov 2021
Company: Black Diamond Group
Responsibilities:
- Led the development of functional JavaScript unit tests for Blazor web apps and implemented Microsoft .NET applications, incorporating Microsoft Graph REST API for authentication, significantly enhancing QA processes by reporting 100+ bugs and improving SharePoint server API connectivity.

Projects:
Name: Investucation - Financial Literacy Planner
Technologies:

React.JS, Node.JS, and Tailwind CSS, designed to empower new investors by identifying investment risk tolerance, constructing interactive quizzes and illustrated a compound interest simulator for goal projection.

Name: Valorant Agent Selector
Technologies:
- Python
- OpenCV
- PyAutoGUI
- Tkinter
Details:
- Devised a Python application using OpenCV, PyAutoGUI, and Tkinter to enhance image recognition and automate mouse interactions, streamlining the selection process in the Valorant application.

Technical Skills:
Languages: Python, C++, C, JavaScript, TypeScript, Java, SQL, C#, HTML, CSS
Frameworks: Blazor, Bootstrap, Django, React
Developer_tools: Figma, MySQL, Node, OpenCV, PyAutoGUI, SQLite