Raiyan Khan

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TECHNICAL SKILLS

Languages: C/C++, Java, Python, SQL, HTML, CSS, JavaScript, Verilog, ARM v7
Frameworks/Libraries: React, Node, Flask, Django, Bootstrap, pytest, JUnit
Software Tools: Git, Visual Studio Code, IntelliJ, Linux, ModelSim, Quartus, FPGA

EDUCATION

University of British Columbia   Expected April 2027
Bachelor of Applied Science in Computer Engineering   *Vancouver, BC*
- **Related Courses**: Computing Systems I & II, Software Construction I, Data Structures and Algorithms
- **cGPA**: 91.6%

EXPERIENCE

UBC AgroBot   January 2024 – Present
Web Developer   *Vancouver, BC*
- Spearheaded the re-design of the team's website, employing **React.js** and **Tailwind CSS** to achieve a mobile and desktop responsive, aesthetically pleasing user interface
- Adhered to modular design principles using components, fostering scalability and maintainability of the website
- Reported updates in an agile software development environment to track project progress

Tim Hortons   May 2022 – October 2022
Team Member   *Edmonton, AB*
- Developed excellent interpersonal skills through positive communication with customers and coworkers
- Maintained high efficiency during peak hours by shifting station priorities, demonstrating the ability to adapt to a fast-paced work environment

PROJECTS

IoT Data Analytics | *Java, Multithreading, Git*   November 2023 – December 2023
- Engineered a concurrent server by leveraging the **Java.net** library to simulate a **multithreaded** IoT network capable of serving mass clients
- Enhanced quality of service by incorporating Earliest Deadline First scheduling to optimize event processing and predictive analytics for future events
- Practiced unit testing, trace-driven functional testing and deployment integration testing to achieve **93%** line of code coverage and **90%** branch coverage

Quacker | *Python, Django, HTML, CSS, JavaScript*   June 2023 – August 2023
- Designed a Twitter-like web application using the **Django** framework in **Python** where users can publish and interact with other posts
- Implemented a dynamic user interface using **HTML**, **CSS** and **JavaScript**, allowing users to like and edit posts, follow other users, and view posts via configured filters
- Executed **asynchronous API** calls from user requests on the front-end to update Django **models** on the back-end

Stock Trading Simulator | *Python, Flask, SQL, HTML, CSS*   April 2023 – May 2023
- Integrated real-time data from IEX's **API** using the **Flask** framework in **Python** to design a web application that allows clients to trade stock shares
- Deployed a **SQL** database to track clients' transactions, and used **SQLite** queries to update client data
- Performed financial operations on client data to display relevant stock performance statistics on the front-end

Personal Website | *React, JavaScript, HTML, CSS*   May 2023 – August 2023
- Launched a responsive and user-centric personal portfolio using **React.Js**
- Provided a seamless, multi-platform optimized user experience to showcase personal accomplishments