Aroush Qureshi

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EDUCATION

University of Calgary   **Calgary, Alberta**
B.S. in Software Engineering   *Expected Graduation, May 2027*

EXPERIENCE

NEZDEK   **Calgary, Alberta**
Software Developer Intern   *May 2024 – Aug 2024*
- Developed and maintained websites with a focus on SEO optimization using HTML, CSS, and JavaScript.
- Conducted regular performance optimization, improving website speed and responsiveness to enhance usability across multiple devices and browsers.
- Gained experience in version control systems like Git to ensure collaborative and efficient code management.
- Utilized front-end frameworks like React.js for building dynamic, interactive user interfaces and integrated with back-end frameworks such as Spring Boot to deliver full-stack solutions.

PROJECTS

Movie Theatre Ticket Reservation System   **Calgary, Alberta**
Team Member   *Nov 2024 – Nov 2024*
- Developed a three-tier movie ticket reservation system with features for movie search, seat selection, payments, and ticket cancellations. Included special privileges for registered users, such as early seat access and fee waivers.
- Delivered a scalable, maintainable solution using Java, JavaScript, MySQL, Spring Boot, React, and Node.js, supported by comprehensive design documentation and diagrams.

Subway Screen Project   **Calgary, Alberta**
Team Lead   *July 2024 – July 2024*
- Developed a dynamic subway display screen utilizing Java and SQL, showcasing real-time news, weather updates, time, advertisements, and a map.
- Each component is programmed to update seamlessly, ensuring the screen remains current
- Used UML diagrams to design the system architecture and flow, ensuring proper structuring of components.

Flight Management Program   **Calgary, Alberta**
Team Lead   *Nov 2023 – Nov 2023*
- Developed a Flight Management Program in C++ to manage flight operations and passenger details.
- Created an interactive interface for displaying passenger information, seat maps, and real-time availability
- Implemented features for adding/removing passengers via a menu system and file handling for data persistence.

ACTIVITIES AND LEADERSHIP

Engineering Leadership Program   **Calgary, Alberta**
Excellence Tier Member   *Sept 2022 – Ongoing*
- Implemented managerial skills within small group exercises to explore values of leadership

SKILLS

Programming: Java, Python, JavaScript, TypeScript, HTML/CSS, SQL, C++, C, Socket Programming (TCP/IP, UDP)
Technical: Data Structures & Algorithms, Computer & Software Architecture & Design Patterns, Full Stack Development, OS Fundamentals , Version Control, Source Control, Object Oriented Design, Agile Methodologies, UI/UX
Frameworks/Languages: Node.js, React.js, Next.js, Tailwind CSS, Flask, Bootstrap, Angular, Spring Boot
Tools: IntelliJ, Visual Studio Code, Eclipse, Jupyter Notebooks, Git, Github, IntelliJ, MySQL
Operating Systems: Mac OS, Windows, Linux

AWARDS

Seymour Schulich Community Service/Entrepreneurial Award   *April 2022, May 2023, May 2024*
Diversity Champions in Engineering Scholarship   *April 2022*
Owen Hart Foundation Honorarium   *September 2022*