Calvin Wong

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EDUCATION

BSc in Computer Science | MacEwan University
Edmonton, AB | GPA: 3.8 / 4.0 | Expected May 2025

BSc in Civil Engineering Co-op | University of Alberta
Edmonton, AB | May 2020

SKILLS

Languages: Python, C, C#, SQL, Java, JavaScript, HTML5, CSS, Dart
Frameworks/Tools: Git, Node.js, MongoDB, MySQL, React.js, Flutter

PROJECTS

VoIP App Development *Flutter (Dart). Node.js. MySQL. Git.*
- Crafted a full stack VoIP app utilizing Node.js for backend, Flutter for frontend, and a MySQL database.
- Built direct messaging and group server chats with real-time functionality using Socket.IO, enhancing communication efficiency and responsiveness.
- Leveraged WebRTC for seamless high-quality video calling, enhancing user communication experience.
- Integrated essential productivity tools including a calendar, checklist, collaborative whiteboard, and collaborative PowerPoint/document editing.

Property Assessment Analyzer *Java. Git.*
- Designed a JavaFX app utilizing MVC design to search for City of Edmonton properties via API or CSV.
- Engineered and deployed enhanced optimized search algorithms in the Java app, improving property search performance.
- Imposed a variety of search filters, including address, account number, assessment value range, and assessment class, to enhance the efficiency of property data retrieval.
- Implemented a mortgage calculator that processed property assessment values for 400,000 properties.

Movie Rental System Development *C#. SQL. Git*
- Utilized MySQL to build a relational database structure for movie orders, inventory, actors, customers, and employees.
- Built an intuitive user interface in C# allowing customers to browse, rent movies, and manage queues.
- Applied features enabling employees to query inventory, generate sales reports, and oversee customer transactions.
- Enforced strict user access control, safeguarding confidentiality between customer and employee data.

WORK EXPERIENCE

ASSIST Community Center   **February 2020- Present**
Assistant Program Coordinator   Edmonton, AB
- Overhauled the company's website using HTML, JavaScript, and CSS, elevating visual appeal and functionality, which drove a 31% surge in site traffic.
- Spearheaded optimization of SQL queries and stored procedures in MS Access, improving analytics efficiency, saving over 20 minutes per report in the report generation process.
- Delivered tailored academic tutoring in mathematics and sciences to middle and high school students, resulting in an average grade improvement of 15% across subjects.

COMMUNICATION AND LEADERSHIP EXPERIENCE

AIESEC   **September 2016- December 2019**
Marketing and Communications   Edmonton, AB
- Directed a team of five to successfully secure sponsorships from business owners, resulting in over $1500 in funding.
- Collaborated cross-functionally within the organization to plan event logistics for more than 200 attendees.
- Managed end-to-end logistics for outgoing international exchanges, overseeing an 8-week process.