

Christian Valdez

1 (825) 945-7498 | christianvaldez021@gmail.com | [GitHub](#) | [LinkedIn](#) | [Personal Website](#)

Education

Schulich School of Engineering, University of Calgary

- Master of Engineering, Software (May 2023 - May 2024)
- Bachelor of Science, Electrical Engineering (Sep 2018 - May 2023)

Skills

- **Languages:** Java, Python, JavaScript/TypeScript, C#, C/C++, SQL, HTML, CSS, Batch, Bash.
- **Frameworks:** React, Next.js, Flutter, Cypress, Node.js, Express.js, Django, JUnit, Apache Spark.
- **Tools:** Git, Jira, Azure DevOps, Firebase, Supabase, TeamCity, VMware, Postman, ClearCase.

Experience

Software Quality Assurance Analyst

Feb 2024 - Present

Showpass, Calgary, AB

- Pioneering a quality assurance process at Showpass by collaborating with Product and Development teams, resulting in increased deployment efficiency.
- Developing end-to-end test suites for Showpass's web products with Cypress to enhance automation coverage and reduce manual testing.
- Reviewing technical specifications and design documents to ensure 100% test coverage, minimizing the risk of post-launch issues and enhancing product reliability.

Graduate Research Assistant

Jun 2023 - Apr 2024

Biometric Technology Lab, Calgary, AB

- Developed adaptive neural network architectures tailored for various environments, enhancing the detection of abnormal respiration patterns in sleeping clients.
- Utilized advanced person detection algorithms to improve region-of-interest identification, thereby enhancing spatial feature extraction efficiency.
- Automated data cleansing and metadata extraction processes, achieving significant efficiency gains.

Software Quality Assurance Intern

Jul 2021 - Apr 2023

Computer Modelling Group Ltd., Calgary, AB

- Enhanced software quality by conducting automated black-box tests, reducing turnaround time through effective tracking and feedback using Azure DevOps.
- Enhanced software standards by integrating ClearCase builds with Git commands.
- Engineered automated workflows for simulating templates, collecting results, and populating Excel, enhancing data visualization and streamlining manual operations.
- Migrated all tests to a unified TeamCity server, enhancing scheduling and reducing maintenance needs.
- Implemented tests for memory and threading errors, bolstering product reliability and security.

Projects

DayHome Timesheet System (In Progress) | React, Supabase, MySQL, Python

- Developing a Python and MySQL-based helper tool for the Crafts Web Application, automating CSV data processing, which halved timesheet entry times and enabled automated email data dispatch.
- Designing a React-based user interface for the DayHome Timesheet System to enhance data visualization and manage CRUD operations, significantly improving system functionality and user interaction.

Nursing Patient Discharge Mobile App | Flutter, Firebase

- Designed and implemented a Nursing Patient Discharge mobile app, enhancing patient offboarding post-surgery; integrated features like a welcoming screen, checklist, messaging, and progress tracking, improving discharge efficiency and patient satisfaction.

Flight Reservation System | React, Node.js+Express.js, MySQL

- Designed a user-centric web application enabling seamless flight browsing and booking experiences.
- Implemented administrative tools for managing flight crews and schedules, with agent-specific interfaces.