

Christian Valdez

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Education

Schulich School of Engineering, University of Calgary

- Master of Engineering, Software
- Bachelor of Science, Electrical Engineering

Skills

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

Experience

Software Quality Assurance Analyst

Feb 2024 - Present

Showpass, Calgary, AB

- Pioneered the quality assurance team by establishing new test suites, writing test cases, planning for releases, providing product feedback, and gathering quality metrics.
- Developed end-to-end test suites for web products using Cypress to enhance automation coverage and reduce manual testing.
- Reviewed user stories and product requirements 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

Church Landing Page (In Progress) | *Next.js, TypeScript, Supabase, Tailwind CSS, Docker, Figma*

- Implementing a responsive landing page for members to browse media, explore activities, and fill out help forms for both web and mobile devices.
- Creating wireframes using Figma to design the layout before implementation.
- Hosting the project on Docker for local development with plans to deploy on Vercel.

DayHome Timesheet Automation (In progress) | *Python, MySQL, Cypress*

- Automating CSV extraction from the CRAFTS website to eliminate all manual tasks.
- Developed a Python and MySQL-based ETL tool for the Crafts Web Application, automating CSV data processing.
- Fully automated timesheet entry and enabled automated email data dispatch.

AirBnb Clone (In progress) | *Next.js, TypeScript, Tailwind CSS, Django, Python, Docker*

- Following a tutorial to build an Airbnb clone to learn Django.