

# Christian Valdez

(825) 945-7498 | [christianvaldez021@gmail.com](mailto:christianvaldez021@gmail.com) | [GitHub](#) | [LinkedIn](#)

## Education

### Master of Engineering - Software

May 2023 - May 2024

- Schulich School of Engineering, University of Calgary

### Bachelor of Science in Electrical Engineering

Sep 2018 - May 2023

- Schulich School of Engineering, University of Calgary

### Capstone Design Project

Genoptic LED Inc., Calgary, AB

- Collaborated with a group of 5 students to design an IOT box that monitored agricultural processes.
- Implemented manual testing plans to verify that results were accurate or precise.

## Experience

### Research Assistant

Jun 2023 - Present

Biometric Technology Lab (University of Calgary)

- Utilizing Python libraries to extract and clean data from patient videos with the aim of creating machine-learning algorithms for detecting breathing rates in sleeping patients.

### Quality Assurance Intern

Jul 2021 - Apr 2023

Computer Modelling Group Ltd., Calgary, AB

- Analyzed quality-related information through automated black-box tests, providing daily product feedback to developers. Logged and tracked bugs using Azure DevOps.
- Enhanced software standards by modifying ClearCase builds and incorporating Git commands.
- Developed automated workflows for template simulation, result collection, and Excel data population, streamlining manual processes and enhancing data visualization.
- Transferred all tests to a unified TeamCity server for improved scheduling and reduced server maintenance.
- Introduced memory and threading error tests to enhance product reliability and security.
- Coached a new intern to become a high-performing team member while updating reporting and training documents.

## Projects

### Calgary Neighborhood Poll

Jul 2023 - Present

- Designing and implementing an interactive statistics website based on Calgary neighborhoods to assist prospective buyers or renters.

### Portfolio Website

Jun 2023 - Present

- Developing a responsive website using HTML/CSS/JavaScript for a customized portfolio.

### Automated Scripts for Multimedia Workflow

- Developed Python scripts to automate populating PowerPoint slides, reducing manual tasks by over 80%.

## Skills

- Languages:** Python, Java, JavaScript, C, C#, MATLAB, VHDL, HTML/CSS, Batch, Bash.
- Framework and Tools:** Git, Bootstrap, Django, Azure, TeamCity, ClearCase, Arduino, SolidWorks.
- Microsoft Office:** Word, Excel, PowerPoint, Outlook.