

Guillermo Flores

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Technical Skills

- Programming & Software: C++, MATLAB, Python, MS Excel / Office
- Engineering & Design: Solidworks, Prototyping, Electrical Circuit Integration
- Lab & Fabrication: Component Fitment & Assembly, Iterative Bench Testing, Volumetric Testing

Projects

Automated Measuring Cup

September 2025 - December 2025

- Led the mechanical design of an automated measuring cup by performing CAD modeling and stress analysis, ensuring structural integrity and precise component fitment across an 8-member team.
- Designed, prototyped, and tested a custom motor-driven dispensing mechanism using rapid prototyping and iterative bench testing, successfully meeting targeted volumetric tolerances.
- Integrated mechanical subsystems with electrical circuits and software control algorithms through cross-functional collaboration, delivering a fully functional prototype on schedule.
- Skills: Mechanical Design, Prototyping, Problem Solving, Teamwork, Technical Communication.

Work Experience

Cook / Green Tee Country Club Westwood Plateau - Coquitlam, British Columbia

April 2023 - Current

- Collaborated closely with kitchen staff in a fast-paced environment, communicating constantly to manage high-volume service during peak hours.
- Applied strict time management and attention to detail to prepare banquet and à la carte meals consistently under tight time constraints.
- Demonstrated adaptability and reliability by maintaining strict food safety and operational standards during high-stress culinary rushes.

Landscaper / Koru Landscaping - Coquitlam, British Columbia

June 2025 - August 2025

- Coordinated effectively with site team members to execute residential and commercial landscaping projects safely and efficiently.
- Exercised time management and goal-oriented focus to ensure projects were completed on schedule while meeting high quality standards.
- Maintained clear technical communication and operational discipline while operating, inspecting, and servicing complex commercial machinery.

Volunteer Experience

Outreach and Service Team / The Knights of Columbus - Coquitlam, British Columbia

January 2026 - Current

- Communicated and collaborated with team members to organize charitable events and allocate financial support for key community initiatives.

Alter Serving / All Saints Parish - Coquitlam, British Columbia

April 2012 - Current

- Demonstrated leadership, time management, and communication skills by training new servers and coordinating operations during liturgical services.

Education

Simon Fraser University

September 2026 - Current

Bachelor of Applied Science, Electronics Engineering

- GPA: 3.6/4.33
- Dean's Honor Roll