

# Luca Carinelli

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## Skills

### Technical Skills

- CAD & Design: Siemens NX, SOLIDWORKS, AutoCAD, Revit; engineering drawings and GD&T
- Thermo-Fluids & Energy: Thermodynamics, fluid mechanics, HVAC system design, energy systems
- Mechanical Systems: Machine design, vibrations, mechanisms, materials selection
- Mechatronics & Controls: Sensors, actuators, applied electronics, control systems
- Data & Analysis: MATLAB, Excel, numerical analysis
- Programming: Java, basic C; experience with engineering-focused computational tools

### Business & Professional Skills

- Financial Accounting, Management Finance, Management Accounting
- Technical reporting, documentation, and presentations
- Cross-disciplinary collaboration (engineering, architecture, business teams)

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## Experience

[MAY 2025 – AUG 2025]

### Intern EH&S Engineer

#### Ovintiv, Calgary, AB

- Recalculated Emergency Planning Zones (EPZs) for sour gas pipelines using AERH2S software.
- Developed a standardized workflow and documentation package for future EPZ recalculation projects.
- Improved project efficiency by creating a master Excel tracking system for 500+ pipeline segments.

[SEP 2023 – DEC 2023]

### Methods Engineer Co-op Student

#### De Havilland Aircraft of Canada, Victoria, BC

- Supported the methods group by digitizing 200+ aircraft parts in CAD.
- Heavily team-oriented environment.
- Learned and adhered to the strict quality requirements to ensure high standards are met.

[APR 2022 – AUG 2022, APR 2023 – AUG 2023]

## **Mechanical Engineering Intern**

### **Stantec Consulting Ltd., Calgary, AB**

- Supported the mechanical engineering team for the buildings group in various tasks and project work.
  - Collaborated with architects and engineers to design projects for clients.
  - Learned the essentials of AutoCAD and Revit, and used them to design ventilation, plumbing and piping for buildings.
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## **Education**

[SEP 2021 – APR 2026]

## **Bachelor of Engineering, Mechanical Engineering**

### **University of Victoria, Victoria, BC**

- Specialization in Thermo-Fluids and Aerodynamics.
  - Completed a minor in business.
  - Enrolled in the co-op program.
  - GPA: 3.5/4.0
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## **Volunteer History**

[DEC 2017, 2018, 2019]

### **Server**

#### **Feed the Hungry, Calgary, AB**

- Volunteered to serve hundreds of homeless a three-course meal in a shelter.
- Allow a safe environment to those who are less fortunate to communicate their needs.

[DEC 2025]

### **Volunteer, Food Donation Sorting**

#### **St. Joan of Arc School, Calgary, AB**

- Sorted and prepared donated food for community distribution in a team-based environment.
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## **Activities/Interests**

- Competitive Tier 1 soccer from 2014-2022.
  - Intramural soccer and pickleball at the University of Victoria.
  - Golfing, Skiing, Fishing, Pickleball, Squash, Tennis, and other activities.
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