

# Jason Correia (He/Him)

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## EDUCATION

**University of British Columbia**

Expected Graduation: May 2029

**Bachelor of Applied Science - Mechanical Engineering**

- Presidential Scholars Award Recipient
- Dean's List (CGPA: 88.4%)
- Related Courses: Introduction to Computation in Engineering Design: 98%; Mechanics I: 90%; Integral Calculus with Applications: 89%

## TECHNICAL SKILLS

**Design & Analysis Tools:** SolidWorks (CAD/CAM), AutoCAD

**Programming & Data Analysis:** Python, C, C++, MATLAB, Microsoft Excel, CSV Data Processing

**Hardware & Prototyping:** Arduino microcontrollers, circuit wiring, servos, various sensors and motors

## TECHNICAL WORK EXPERIENCE

**Enduro Metals Corporation** | Newmont Lake, BC

June - August 2025 & 2026

**Geotechnical Engineering Student**

- Partnered with senior engineers and professional geologists in remote, high-paced environments to optimize drilling targets and ensure compliance with site safety protocols
- Conducted field logging and geotechnical testing on over 2,700 meters of drill core samples to support site safety and geological modeling
- Analyzed rock and soil samples, ensuring accurate documentation for daily engineering reports

## TECHNICAL PROJECTS

**1986 Mustang Fox Body Powertrain Swap** | Family Project

June 2021 - May 2025

- Collaborated on a complex automotive build, gaining hands-on mechanical experience with heavy assemblies, automotive systems, and hand/power tools
- Assisted in the extraction of the stock powertrain and the installation of a Chevy 427 engine and a Turbo 400 3-speed automatic transmission
- Helped install upgraded suspension, braking, and differential components required to safely manage the vehicle's significantly increased horsepower

## ENGINEERING DESIGN TEAMS

**UBC Formula Electric** | The University of British Columbia

September 2026 - Present

**Suspension Team Member**

- Contributed to a multidisciplinary team which designs, fabricates, and assembles an electric racecar for Formula SAE competitions
- Designing the vehicle's custom steering wheel assembly using SolidWorks, optimizing the geometry for driver ergonomics and the packaging of electrical control systems
- Prototyping early iterations utilizing 3D printing and researching composite material manufacturing techniques to minimize rotational mass while maintaining structural rigidity

## AWARDS

**World Juniors Silver Medal** | International Street and Ball Hockey Federation

2023

- Represented Team Canada West at the U16 Ball Hockey World Juniors in Liberec, Czech Republic, earning a silver medal through international competition

**References Available Upon Request**