

Colby Cadden



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Education

University of Calgary, BSc, Mechanical Engineering & BComm, Finance (GPA: 4.0/4.0)

Awards:

- Schulich Leader Scholarship (\$120,000)
 - o National STEM scholarship recognizing academic excellence, leadership, and entrepreneurship
- President's Admission Scholarship
 - o Awarded for 95% + academic average

Salmon Arm Secondary, Dual Dogwood Diploma

Awards:

- BC District/Authority Award
- BC Achievement Scholarship

LEADERSHIP AND INVOLVEMENT

Student Representative, University of Calgary

- Represent 100+ students; relaying feedback, and collaborating with faculty to implement solutions

Engineering Team Member, EQOL

- Mechanical lead within subteam, designed and prototyped components using CAD and collaborated on electronics integration.

Varsity Athletics

- Captain (Volleyball, Ultimate Frisbee)
- Assistant Captain (Basketball)
- BC Talent Squad (Cross-Country Skiing)

Volunteer Experience

- Athletic Leadership Club
 - o Led a team of 12+ students to organize events and manage social media coordination
- Youth Basketball Coaching Assistant (Shuswap Hoops, J.L. Jackson)
 - o Supported drills and team systems for multiple age ranges

WORK EXPERIENCE

Cone Picker, Skimikin Seed Orchard (2024, 2025)

- Performed outdoor harvesting of pinecones, using tools and ladders to meet production goals safely

General Labourer, Mt. Ida Tree Nurseries Ltd. (2025), Sorrento Nurseries Ltd. (2024)

- Assisted with tree packaging, boxing, and other hands-on tasks

PROJECTS AND EVENTS

- 1st Place: G-Hacks 2026 GNSS Hackathon (*Python, VS Code*)
- Sensor-Activated Robotic Arm (*ESP32, Fusion 360, VS Code, C++*)
- Remote Controlled Rescue Boat (*Python, Raspberry Pi, Fusion 360*)
- Modular Grip Assist Multitool Design (*Onshape*)

SKILLS, INTERESTS, AND CERTIFICATIONS

Technical: *Python, C++, Onshape, Fusion 360, VS Code, ESP32, Raspberry Pi*,

Fabrication: *Woodworking, Metalworking, Drafting*

Certification: *DELF B2 (French Language Proficiency)*

Certification: *Economic Fundamentals for Leadership, Fraser Institute*