

# JAYDEN FLITTON

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## EDUCATION

### University of Calgary – Schulich School of Engineering & Haskayne School of Business

Calgary, AB

*B.Sc. Electrical Engineering & B.Comm. Finance (Dual Degree)*

*Expected Apr 2030*

- GPA: 3.54/4.00; completed 13 courses in first year against a standard load of 10

### JT Foster School

Nanton, AB

*High School Diploma – Valedictorian*

*Jun 2025*

- JT Foster Academic Award (highest Grade 12 average); two-time Athlete of the Year

## ENGINEERING EXPERIENCE

### Solar Car Team, University of Calgary

Calgary, AB

*Electrical Sub-Team Member*

*Oct 2026 – Present*

- Selected through technical interview; wrapping up the current Helios vehicle and beginning design on the new Livery car

### Embedded in Embedded (EIE) Program

Calgary, AB

*Participant*

*Sept 2026 – Present*

- Developing C firmware on a SAM3U2 (ARM Cortex-M3) / nRF51422 (BLE/ANT) board, mentored by industry engineers

### EQOL Engineering Club

Calgary, AB

*Electrical Lead – Assistive Robotic Arm*

*Sept 2025 – Aug 2026*

- Split arm control between Python/OpenCV vision and an Arduino Nano over a custom serial protocol
- Wrote stepper firmware and PS4 teleoperation; designed 12 V power distribution with buck converters for servos
- Contributed to M.A.N.G.O., an assistive device for building grip strength

### Hexagon Geomatics Hackathon

Calgary, AB

*1st Place of 50+ Participants*

*Feb 2026*

- Processed GNSS satellite data with PPP and RTK corrections to solve location problems in Google Maps, achieving sub-2 cm accuracy
- Applied linear algebra in Python to solve coordinate-basis problems; presented the team's problem-solving methods to judges

### Cursor Coding Hackathon

Calgary, AB

*Participant*

*Spring 2026*

- Built a meal-planning app with a team using Cursor, integrating QR code scanning, AI-driven inventory tracking, and a clean user interface

## WORK EXPERIENCE

### Twin Valley Farms

Nanton, AB

*Farm Machine Operator*

*Summers 2022 – 2026*

- Operated combines through harvest, logging 300-hour months; harvested, transported, and delivered grain
- Ran and maintained tractors, bidirectional tractors, and service trucks; performed field repairs under time pressure

## LEADERSHIP & ACTIVITIES

- **IOOF International Public Speaking Competition (New York, 2024):** Top 10 of 90 international competitors
- **Captain:** Hockey (2024, 2025), Soccer (2023 – 2025); **Student Council:** Member (2023 – 2025)
- **Chess Club:** Founder & President (2023 – 2024)

## SKILLS & INTERESTS

- **Technical:** Altium Designer, KiCad, embedded programming (C; Arduino, ARM Cortex-M, STM32, ESP32), Python, OpenCV, Git, Microsoft Excel, Microsoft Office, 3D printing, teamwork
- **Interests:** Chess (~1850 rating), reading, robotics, investing, hockey