

Nicholas Suntjens

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Education

University of British Columbia Bachelor of Applied Science - Manufacturing Engineering, 3.4 GPA	2029 (expected)
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Work Experience

Member Services Team Member <i>Silver Springs Golf and Country Club</i> - Performed in a high-volume customer facing environment - Managed customer service and engagement, and equipment operation in a team setting	Sep 2023 – Aug 2026 <i>Calgary, Alberta</i>
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Leadership Experience

Student Council Logistics Director and Grade Representative <i>Westmount Charter School</i> - Coordinated and organised 10+ events in coordination with teaching staff and the council - Responsible for work delegation, school-wide communication and budget allocation - Utilised Excel and MS Office Suite to track trends and manage findings-based workload - Elected to represent and serve a populous of hundreds of students	Sep 2023 – Jun 2025 <i>Calgary, Alberta</i>
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United Traditional Taekwondo Canada

- Second Degree Blackbelt, 14+ years of commitment and competitions internationally
- 7+ years of consistent volunteer and teaching experience across Alberta

Projects

Aluminium Autonomous Claw

- Fabricated an autonomous claw, winning in competition against over 12 teams
- Developed a performing product in a flexible design process, considering risk management and exploratory design prototyping

Remote Rainwater Harvesting System Simulation

- Built an extensive Excel-based engineering calculation model to simulate complete system performance from given parameters and data
- Evaluated performance metrics and design tradeoffs to optimize system feasibility. Final presentation proposal was given the highest grade in the entire year

Custom Cafe-Racer Motorcycle Fabrication

- Individually designed and built a 50cc motorcycle, capable of speeds up to 80km/h
- Assembled and tuned mechanical components for peak performance capabilities

Technical Skills

Software and Design: Solidworks CAD Modeling, C and embedded C++ programming (for Arduino and Raspberry Pi), elementary HTML/CSS, Microsoft Office Suite (Excel, Word, Powerpoint, Teams), AutoCad Orthographic and Isometric design, Matlab.

Hardware and Mechanical: Automotive, small engine, and electronics maintenance and fabrication.