

NOAH BAGSHAW

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OBJECTIVE

Second-year Nuclear Engineering student at Ontario Tech University seeking co-op opportunities across nuclear operations, engineering, and project support within Canada's nuclear industry.

EDUCATION

B.Eng., Nuclear Engineering (Co-op), Ontario Tech University | Expected 2030

Ontario Secondary School Diploma, All Saints Catholic Secondary School | *Ontario Scholar* | 2025

SKILLS

CAD & Engineering Design: Applied **SolidWorks** to model components, build assemblies using mates, and produce engineering drawings.

Programming & Analysis: Applied **MATLAB**, **Maple**, and **C++** to engineering calculations, plotting, scripting, and technical problem-solving.

Technical Documentation & Analysis: Produced reports, drawings, briefing notes, and recommendations while evaluating technical alternatives using structured scoring frameworks.

Leadership & Coordination: Supervised up to 24 staff cadets supporting 320 cadets while coordinating schedules, training, and operational requirements.

Communication & Teamwork: Communicated technical and operational information through reports, presentations, instruction, and project-team collaboration.

Technical Tools & Productivity: Used **PASCO Capstone**, **Microsoft Office**, and **Google Workspace** for data handling, documentation, presentations, and collaborative work.

PROJECTS

Wesleyville NGS Reactor Technology Safety Assessment | *Technical Communications* | Sep 2025 – Dec 2025

- Compared CANDU PHWR, AGR, and BWRX-300 across eight safety criteria using a 0–5 scoring framework, recommending CANDU PHWR at 37/40.
- Co-authored a 20+ page technical report integrating research, scoring analysis, figures, and recommendations; project earned an A+.

Portable Scissor Lift Design & CAD Model | *Engineering Design* | Jan 2026 - Apr 2026

- Developed the concept selected by an 8-person team for a 20 × 40 × 12 ft enclosure and ~400 lb working-load requirement.
- Spearheaded SolidWorks development of the final assembly, modelling most components, establishing mates, and producing approximately half of the engineering drawings; project earned an A.

Fruit Juicer Design & CAD Model | *Engineering Design* | Jan 2026 - Apr 2026

- Developed the screw-type concept selected by an 8-person team and created the weighted concept-selection spreadsheet evaluating eight designs across nine criteria.
- Led most SolidWorks CAD development, modelling components and assembling the final design for manual and handheld-drill operation; project earned an A.

EXPERIENCE

Cadet Company Sergeant Major | *Blackdown Cadet Training Centre, Borden, ON* | Jun 2026 - Aug 2026

- Coordinated daily operations for 320 cadets across two training cohorts, supervising 24 staff cadets, resolving issues, and keeping training on schedule.
- Managed daily training delivery and schedule adjustments with adult staff, ensuring all required lessons were delivered, and cadets received their qualifications.
- Led parade practices for weekly battalion parades, and three graduation parades, as well as a company-wide morale event that improved participation and motivation.

Operations Shift Leader | *Trenton Cadet Training Centre, Trenton, ON* | Jun 2025 - Aug 2025

- Led 3 staff cadets in cadet accountability, strength reporting, gate control, and patrols, supporting secure and uninterrupted training operations.
- Responded to approximately 6 medical emergencies and managed a tabletop exercise under established procedures, receiving verbal commendation; recognized as Top Staff Cadet.

Page | *Whitby Public Library, Whitby, ON* | Nov 2024 - Jun 2025

- Processed 200–250 books per shift while maintaining collections; independently reorganized the seed collection alphabetically to improve accessibility.

Section Commander | *Blackdown Cadet Training Centre, Borden, ON* | Jun 2024 - Aug 2024

- Supervised 7–10 cadets through daily routines, welfare, instruction, and performance-assessment preparation, supporting successful course completion.

ACTIVITIES & LEADERSHIP

Ontario Tech Academic Council | *Steering Committee* | Sep 2026 – Aug 2027

- Serve as 1 of 4 undergraduate student representatives on Academic Council and as the elected student member of the Steering Committee, reviewing materials and contributing to university-level academic governance.

North American Young Generation in Nuclear (NAYGN) | Sep 2025 – Present

- Participate in NAYGN conferences, nuclear facility tours, and networking events with professionals from organizations including OPG, Bruce Power, Aecon, Candu Energy, and AtkinsRéalis.

Royal Canadian Sea Cadets | Oct 2019 – Sep 2026

- Served 2 years as Coxswain at the rank of Chief Petty Officer 1st Class, providing senior leadership for 70+ cadets through training, mentorship, standards, parades, and activity planning.

Durham Regional Police Service Pipes & Drums | Jan 2026 – Present

- Perform as a snare drummer at public and community events while participating in weekly rehearsals.