

# Nicola Savino

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## Skills and qualifications

**Teamwork:** Collaborated with engineering students to develop optimal timely solutions on projects.

**Leadership:** Proficient at taking a leadership role when needed, while also being able to learn from others that lead.

**Communication:** Able to effectively articulate questions to fellow students, professors, and TA's when doing schoolwork.

**Detail Oriented:** Strong Analytical Skills.

**Problem Solving:** Strong aptitude for logical problem solving.

**Interpersonal Skills:** Adept at communicating with a larger team to deliver on a project.

**Networking:** Basic understanding of networks, protocols, and sockets

**Computer Proficiency:** Solid understanding of object-oriented programming. Strong overall computer skills.

**Programming Languages:** Python (NumPy, Pandas, matplotlib), C, C++, MYSQL, Java, Javascript, HTML, CSS, React, AWS Lambda

**Computing Toolset:** Microsoft Excel, Word, OneDrive, GitHub, Visual Studio Code, MYSQL Workbench, Systems Tool Kit

**Version Control:** Git

## Education

**Bachelor of Science in Engineering – Software // Minor in Aerospace Engineering**

Schulich School of Engineering, University of Calgary

September 2021 – April 2025

## Technical Projects

All personal projects are located on my GitHub:

<https://github.com/NickSavino>

## Experience

- ❖ **CalgarytoSpace** | Mission Operations | [www.calgarytospace.ca](http://www.calgarytospace.ca) | September 2022 – Current
  - Member of mission operations team focused on ensuring success in mission to launch Satellite into Orbit
  - Responsibilities:
    - Use specialized aerospace software to design, plan, and simulate orbits for mission planning.
    - Write scripts in C using STK integration.
    - Gather Technical Requirements across different subsystems
    - Create Technical Documents outlining mission procedures and details.
- ❖ **Battery Advancement** | Embedded Systems Intern | [www.batteryadvancement.ca](http://www.batteryadvancement.ca) | May 2022 – September 2022
  - Junior engineering position focused on the development of novel lithium battery technology.
  - Responsibilities:
    - Designed and prototyped PCBs for various work applications.
    - Implemented several embedded safety systems.
    - Ran qualitative tests and created data visualizations in python to demonstrate product efficiency.
    - Modelled and 3D printed various battery components.
    - Developed lightweight scripts in C++ to run on embedded circuit boards.
- ❖ **Highlander Ski Lift** | Labourer | [www.highlanderskilift.com](http://www.highlanderskilift.com) | June 2018 - December 2018
  - Took part in the construction of the Emerald ski lift on Whistler Mountain in BC.
  - Responsibilities:
    - Keep up with the workload in an extremely fast-paced, high-stress environment.
    - Ensure the millwrights on site were always equipped with the proper tools and materials for their current task.
    - Analyze sections of blueprints for specific tasks given by the foreman.
    - Construction of small sections of the ski lift based on said blueprints.
    - Worked with a helicopter to fly in and bolt down towers weighing up to 2 tons
- ❖ **Savino Masonry** | Labourer | [www.savinomasonry.com](http://www.savinomasonry.com) | June 2016 – September 2021
  - Part-time Labourer for a family business since 2016.
  - Responsibilities:
    - Heavy load transportation (tools, bricks, mud, various constructions materials).
    - Mixing of mortar for bricklayers to use, great attention to detail required for the proper consistency of mud.
    - Organization of material transportation trailer.
    - Analyze and understand blueprints to better understand the scope of the project.