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
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
Schulich School of Engineering, University of Calgary - GPA 3.1/4.0   *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 | *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| *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| *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| *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.