

Samuel Valentine

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PROFESSIONAL SUMMARY

A third year McGill student majoring in mechanical engineering with a minor in software engineering, searching for internship opportunities for the summer of 2022. Learn more at my website: <https://samuelvalentine.netlify.app/>.

EDUCATION

Bachelor of Engineering, Mechanical Major and Software Minor

September 2019 - May 2024

McGill University, Montreal, Canada

➤ **CGPA 3.54/4.00**

Pure and Applied Science

September 2017 - June 2019

Marianopolis College, Montreal, Canada

SKILLS

- **Programming:**
 - **Python:** Sphinx, Pandas, Seaborn, Spyder, **TensorFlow:** Random Forests & Neural Networks
 - **Java:** Umple, Gherkin, Junit, Cucumber, JavaFX & Scenebuilder, Eclipse
 - **UML:** Domain Modeling, Class/State/Sequence Diagrams, Umple (Code Generation)
 - **Version Control:** Git, Mercurial
 - **Other:** Matlab, Github, Simulink, HTML & CSS, LabVIEW, Agile, SpringBoot
- **Machining:** CNC milling & lathing, 3D printing, WHMIS, Class 5 license, landscaping equipment
- **Languages:** English (fluent), French (conversational)
- **Software:** Solidworks, Mastercam, Abaqus, MS Office Suite, Google Suite
- **Computer Operating Systems:** Windows 7/8/10/XP/Vista

EXPERIENCE

Bombardier – Loads & Dynamics Internship

Jan 2021 – Aug 2021

- Worked on Python tools for predicting loads on aircraft wings and fuselage using data analysis and machine learning
- Formally presented PowerPoints and documented all work throughout each project

McGill Rocket Team (MRT) – Avionics Subdivision

Sep 2019 – Aug 2021

- Worked on a JavaFX UI designed for tracking specifications of the rocket from the ground-station
- Won the design award for MRT's **Hackathon 2020** event

Team Leader - Strathmore Landscaping (Between Semesters)

Nov 2017 – Aug 2020

- Built positive relationships with clients, even in challenging circumstances
- Experience driving large Isuzu dump trucks, pickup trucks, and other vehicles
- **Trained** new employees