

DAN HOSI

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EDUCATION

McGill University
B.Eng. Software Engineering

Montreal, CA
August 2020 – December 2023

- **Graduate**
- **GPA:** 3.67/4.00
- **Relevant Courses:** Data Structures and Algorithms, Object Oriented Programming, Web Development, Applied Machine Learning, Relational Databases, Networks

SKILLS & INTERESTS

Tools: Azure, Azure Data Factory, Azure DevOps, Databricks, Power BI, Github, SSMS, VueJS, AngularJS, REST, Git, Jira

Programming Languages: Python, Java, SQL, JavaScript, CSS, HTML, C++, C, Terraform, YAML

Interests: Cloud Infrastructure, Azure, Data Analytics, Data Engineering, Machine Learning, Business Intelligence

Languages: English (proficient), French (proficient), Vietnamese (native)

PROFESSIONAL EXPERIENCE

Desjardins

Montreal, CA

Cloud Infrastructure Engineer Intern

Azure, Azure Data Factory, Azure DevOps, Terraform, YAML, Power BI

May 2023 – August 2023

- Quickly learned Azure cloud services to successfully deploy a new project's cloud infrastructure including Azure Data Factory, Azure Machine Learning, Azure Data Lake Storage Accounts.
- Developed automated YAML pipelines to manage Azure cloud services, saving \$60 CAD per month.
- Managed and applied Azure accesses according to different roles, user groups and security requirements of the enterprise.
- Create automated data pipelines to clean, organize and prepare the clients' data for machine learning and data analytics on Power BI.

Hydro-Québec

Montreal, CA

Data Engineer Intern

May 2022 – August 2022

Python, Databricks, SQL, Apache Spark, Azure DevOps

- Learned and applied Python data processing techniques to integrate our clients' data into our SQL database.
- Solved post-deployment vulnerabilities, maintaining a 95% deployment success rate on Azure DevOps.
- Developed automated integration tests in Python, detecting data violations in our database.
- Contributed to a Python library of functions that manages our Azure SQL databases.

PROJECTS

Machine Learning Hackathon · [Github](#)

October 2022 – October 2022

Python, Pandas, Numpy, Sklearn, Git, NLTK

- Built a Python app that predicts the correlation between job titles and any resume.
- Developed a customized machine learning model to fit the project's goals.
- Led a team of 4 developers to complete the project in under 24 hours.

NFT Marketplace Website · [Github](#)

January 2022 – April 2022

VueJs, Vuetify, NPM, Java, JavaScript, CSS, HTML, SQL, REST, Gherkin

- Developed a web platform to mint and trade Non-Fungible Tokens (NFTs).
- Implemented a back-end to modify user account details, to create, view and add NFTs to a user's collection.
- Refined the front-end designs using CSS and HTML to follow the UI designs made on Figma.

LEADERSHIP

McGill Rocket Team

Montreal, CA

Avionics Subteam Project Lead

August 2021 – September 2023

- Managed and led 8 students to pursue an ongoing in-house rocket simulator and to develop a software validator tool to test the team's embedded systems.
- Implemented an Agile-like approach using a kanban board to facilitate project management and keep track of progress.
- Participated in design reviews to demonstrate work progress and to receive criticism from industry professionals.