

# Chrisovalantis Vatos

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## EDUCATION

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McGill University | *Bachelor of Software Engineering Co-op*

09/2021 - 09/2025

- **Courses:** Introduction to Software Engineering, Probability and Statistics for Engineers
- **Cumulative GPA:** 3.95/4.0

## SKILLS

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**Languages/Frameworks:** Java, JavaScript, SQL, Python, C, HTML, CSS, Bootstrap

**Software Tools:** Visual Studio Code, Microsoft SQL Server, Autosys, Jira, Eclipse, Excel, Powerpoint

**Soft Skills:** Communicative, Resourceful, Intuitive, Curious, Detail-Oriented

**Spoken Languages:** English & French (Native Proficiency)

## Professional Experience

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Programmnig Analyst Intern | *Société Générale*

Montréal, Québec | 05/2022 - 08/2022

- Created **data transformation** processes to load bank data to various downstream applications using a proprietary **ETL tool**
- Incorporated complex **SQL concepts** to accomplish goals requested by various business teams in charge of regulatory reporting to the Federal Reserve and Securities and Exchange Commission
- **Reviewed, edited, and tested** SQL stored procedures using **Microsoft SQL Server**
- **Automated** ETL processes to run on desired days and times using **Autosys**
- **Communicated** effectively with Software Engineer leads which **incited** the improvement of the in-house ETL tool's UI and **inspired** the addition of new features
- **Participated** in daily scrum meetings and **collaborated** closely with team members

## ENGINEERING RELATED EXPERIENCE

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Analysis of News Headlines using Machine Learning | *Personal Project*

Montréal, Québec | 2021

- Examined the relationship between the **polarity** and **subjectivity** of Reuters' headlines
- Manipulated the data using **Pandas** to accommodate the subsequent algorithm that was applied
- Implemented the **VADER sentiment library** followed by **Scikit Learn's k-means clustering** in order to allocate each headline to a specific group
- Results obtained indicate a **strong correlation** between the two metrics
- Gained practical experience in natural language processing (**NLP**), **unsupervised machine learning**, and **k-means clustering**

Portfolio Website | *Personal Project*

Montréal, Québec | 2022

- **Built** a fully functional website using **HTML, CSS and Bootstrap** to showcase my completed projects and other relevant experience

123 LoadPlanner | *McGill CodeJam 2022*

Montréal, Québec | 2022

- **Implemented** a **Bellman-Ford** and **Depth-Limited Search** algorithm to find the optimal path for a trucker given a set of parameters of profit, time, and distance
- **Designed** an elegant and user friendly interface to input and display the results
- **Winner** of the 123LoadBoard Challenge for CodeJam 2022