Chrisovalantis Vatos

Montréal, QC | chrisovalantis.vatos@mail.mcgill.ca | (514)-515-2996 | https://www.linkedin.com/in/chrisvatos/

EDUCATION

McGill University | *Bachelor of Software Engineering Co-op* **09/2021- 09/2025**

- **Courses:** Model-Based Programming, Discrete Structures, Communication in Engineering
- **Cumulative GPA:** 4.0/4.0

SKILLS

Languages/Frameworks: Python, Java, C, HTML, CSS, Bootstrap
Software Tools: Visual Studio, Eclipse, Excel, Word, Powerpoint
Soft Skills: Communicative, Resourceful, Intuitive, Curious, Detail-Oriented
Spoken Languages: English & French (Native Proficiency)

ENGINEERING RELATED EXPERIENCE

Sophisticated Study of Lift and Drag Forces | *Dawson College*   Montréal, Québec | **2021**

- Simulated the trajectory of a frisbee under the effects of lift and drag using the **Matplotlib library**
- Coded a **bisection method algorithm** and implemented **Euler's loop** to determine the initial launch angle based on a desired range
- Results obtained were accurate to within **two decimal places** when compared to those obtained with the SciPy algorithm library
- Gained practical experience with **optimization problems** and with the **SciPy open-source Python library**

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

Witty Kitty Committee | *McHacks 9 (McGill Hackathon)*   Montréal, Québec | **2022**

- Launched a website that **scraped** the Unsplash Image API for a new cat picture at the click of a button
- Front-end built using HTML, CSS and Bootstrap while the back-end was built with Javascript

OTHER EXPERIENCES

Sales Representative | *Jaggers Boutique*   Montréal, Québec | **09/2021 - Present**

- Analyzed **consumer buying patterns** and **advised** management about merchandise acquisition
- Cared for floor layout and assured a visually appealing environment to **maximize** customer satisfaction