Charles-Francis **Damedey**

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Education

Polytechnique Montreal	*Montreal, CA*
BS in Software Engineering	*Sep 2021 – May 2025*
GPA: 2.25	
Lionel-Groulx College	*Sainte-Thérèse, CA*
Associate Degree in Computer Science and Mathematics	*Sep 2019 – May 2021*
GPA: 2.8	

Experience

CodeML Hackathon *Montreal, CA*
Machine Learning Developper *Oct 2022 – Oct 2022*
- Familiarize with machine learning libraries in Python such as scikit-learn
- Compete among 200+ participants to achieve the best predictions and accuracy scores
- Build a machine learning model that analyzes and finds vulnerabilities in given code (3 rd place)
- Develop a ML model that predicts the language of thousands of sentences (6th place)
- Optimize ML models to achieve higher accuracy and score by shuffling data and test different algorithms methods such as linear regression, clustering, and classification

YUL Hackathon *Montreal, CA*
Software Engineer *Nov 2021 – Nov 2021*
- Implement a backend algorithm to handle and manipulate JSON files
- Generate and improve employee's schedule to deliver 4-day-a-week's schedules
- Minimize scheduling conflicts between employees

Skills

Programming Languages: Python, C#, C++, Java
Web: HTML, CSS, JavaScript
Tools: Git, Linux, VS Code, Jupyter Notebook, Unity

Projects

Embedded system project *C, C++, Linux, Git*
Cooperate in a team of 5 people in the design of hardware and software embedded systems. Design a robot that must perform challenges by detecting objects in its immediate environment. *cours.polymtl.ca/inf1900/*

Video game project *C#, Unity, Git*
A video game where two team battles each other using AI. *youtu.be/WVtlS2H5tVo*

Awards

May 2019	**English Ambassador**, Awarded best grade in English prize (500$)	*Excellence Gala*
May 2019	**Student-Athlete**, Recognized student-athlete for his dedication and teamwork at gala of excellence (500$)	*Excellence Gala*
Jan 2021	**Post-Secondary Scholarship**, Recipient of the Desjardins Foundation scholarship among 500 candidates (2000$)	*Desjardins Foundation*