

Yael Demers

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Physics and Computer Science Major

Bilingual undergraduate student with leadership and entrepreneurship experience. Given an interest in logic, statistics and software design, I am looking for an internship in the tech industry for the summer 2021 period.

EDUCATION

McGill University

B.Sc. Major Physics and Computer Science
2019-2023

Relevant Coursework:

- Introduction to Software Systems (COMP 206)
- Algorithms and Data Structures (COMP 251)
- Discrete Structure (MATH 240)

Collégial International Sainte-Anne

DCS. Pure and Applied Science
2016-2018

WORK EXPERIENCE

Co-Founder and Lead designer

Shark and Sandals, Montreal
2019 - present

- Founded a company specializing in the conceptualization and production of board games
- Maintained quality assurance of our projects through constant and adaptive playtesting

Server

Pub la Distillerie, Montreal
2019 - 2020

Data Science Intern

DMD Connecting Healthcare, Chicago
Summer 2018

- Developed a cleansing application to update and optimize databases in Java and Talend
- Lead a software migration to support ETL activities
- Performed a study on the impact of artificial intelligence in healthcare environments

TECHNICAL SKILLS

Technologies

C, CSS, HTML 5, Java, Python

Frameworks / Libraries

Bootstrap, Numpy, Pandas, WordPress

Tools

Anaconda, Android Studio, Eclipse, Version Control, VS Code

SOFT SKILLS

Active Learning

Lateral Thinking

Curiosity

Adaptability

Leadership

Self-Starter

PROJECTS

Safely – A Social-Based Pandemic Monitoring Application

- Designed and co-developed the UI / UX of a mobile application in a 48 hours timeframe using *Xaml* and *C#*
- Assisted the integration of the Google Map API and geo-localization into the mobile application

Visual Music Representation (VMR)

- Co-developed a Java / Processing integration of self-similarity matrices to visualize melodic repetitions

Sudoku Solver Algorithm

- Implemented a backtracking algorithm to solve any 9x9 sudoku puzzle

ACCOMPLISHMENTS

- Recipient of an honorable mention from the Montreal Police Department (SPVM)
- Awardee of Sainte-Anne's Involvement Scholarship for two consecutive years