

Jacob Danovitch

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Education

Carleton University

BS (Honors) in Computer Science, Algorithm specialization

Major GPA: 12.0/12.0

Ottawa, Ontario

Sep 2017 – May 2021

Work Experience

Medimo Labs

Software Development Intern

- Implemented medical data visualization dashboard using React.

Toronto, CA

June 2017 – September 2017

Carleton Computer Science Society

First Year Representative

- Representing first year students in the computer science faculty.
- Creating and organizing the sale of merchandise.

Ottawa, CA

September 2017 – Present

Carleton University

Recognized Study Group Leader (COMP1405 & 1406)

- Leading large study sessions to help peers with introductory programming classes.
- Used Node.js, React, and Firebase to implement attendance-verification website.
- Created study guides using Jupyter Notebook and BeakerX.

Ottawa, CA

September 2017 – Present

STEM Fellowship

Data Science Team Member

- Assisting in the organization of the Canada-wide Big Data Challenge.
- Creating data science workshops for the BDC covering topics such as K-Means Clustering and Gradient Descent.

Toronto, CA

June 2017 – January 2018

Skills

Experienced: Java, Python, Jupyter Notebook, R, React

Proficient: HTML/CSS, SQL, Git

Learning: Node.js

Projects

Class Grouping Algorithm (JOUR1003)

A clustering algorithm written in Python to assign students to groups. Led to strong marks and saved my professor the time of grouping over 100 students by hand.

Python, Jupyter Notebook

Baseball Win Expectancy

Building a Random Forest model in R to estimate the win probability of a baseball game at any pitch.

R, R Markdown

The Caf

A Google Home application using web scraping in Python to notify users of what's at Carleton's cafeteria.

Python, Dialogflow, Heroku

Awards

February 2018 **Dean's List**, Awarded to high-achieving students in the faculty of science at Carleton University.

Carleton University

June 2017 **AP English Language and Composition**, Achieved the highest score on the AP English Language and Composition exam.

College Board

January 2018 **RBC@CUSEC - Runner Up**, Finished as the 2nd place group in RBC's workshop at CUSEC 2018.

RBC

May 2018 **Machine Learning Coursera (Enrolled)**, Enrolled in the Stanford Machine Learning Coursera; scheduled for completion in May 2018.

Stanford