

Jacob Danovitch

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Education

Bachelor of Computer Science, Honors

GPA: 4.0 (A+)

2018-19 Coursework: Clinical statistics, functional programming, AI

Carleton University
Sep 2017 – May 2020 (Expected)

Professional Experience

Microsoft AI and Research

Cortana Explore Intern

- Created Cortana-assisted data visualization for beta-testing application using C#, Azure SQL.
- OneWeek 2018: Implemented model taking Cortana query as input, generates semantically similar queries.
- Received offer to return as software engineering intern in May 2019.

Seattle, USA
May 2018 - August 2018

Medimo Labs

Software Development Intern

- Medical data application for doctors built with Javascript (React.js).
- Implemented patient profile, navigation tools, and data visualization.

Toronto, CA
July 2017 – September 2017

Academics

School of Computer Science

Teaching Assistant

- Teaching assistant for COMP1005, Introduction to Computer Science I.

Carleton University
September 2018 - December 2018

Science of Imagination Laboratory

Undergraduate Researcher

- Will research the applications of natural language processing techniques to conceptual metaphor.
- Directed studies under the supervision of Professor Jim Davies.

Carleton University
September 2018 - December 2018

Faculty of Journalism

Machine Learning Project

- Helping Professor Christine Crowther assign students to groups for midterm project.
- Unsupervised machine learning algorithm resulted in strong grades for students, significant time savings.

Carleton University
November 2017

Science Student Success Centre

Recognized Study Group Leader

- Assisting peers with introductory programming classes using Jupyter Notebook tutorials.
- Used Node.js, React, and Firebase to implement oauth2 attendance-verification website.

Carleton University
September 2017 – May 2018

Carleton Computer Science Society

First Year Representative

- Elected position to co-represent first year students in the school of computer science.
- Designed and organized first edition of CCSS merchandise.

Carleton University
September 2017 – May 2018

Projects

Data Science Workshops

Using Jupyter Notebook, Pandas, Scikit-Learn for workshops on Gradient Descent, K-Means Clustering, Least-Squares Regression as part of STEM Fellowship's Big Data Challenge.

Python

TheCaf on Google Home

A Google Assistant skill providing Carleton students easier access to the cafeteria menu. Recognized by Google Developer Program for receiving several thousand uses a month.

Python (Flask), Heroku

Awards

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| May 2018 | Lester B. Pearson Award , Awarded to outstanding students proceeding from one year to another. | Carleton University |
| Mar. 2018 | Relay Programming , 6 th / 30 in React and Java challenge. | CS Games 2018 |
| Feb. 2018 | Dean's List , Awarded to high-achieving students in the Faculty of Science. | Carleton University |
| Jun. 2017 | AP English Language and Composition Exam , Placed in the top 9.1% of participants, achieving highest possible score. | US College Board |