Jacob **Danovitch**

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Education

Carleton University - B. Computer Science, Honors   *Ottawa, Ontario*
GPA: 4.0 (A+)   *Sep 2017 – May 2020 (Expected)*
2018-19 Coursework: Clinical statistics, functional programming, AI

Professional Experience

Microsoft AI and Research   *Seattle, USA*
Cortana Explore Intern   *May 2018 - August 2018*
- Created Cortana-assisted data visualization for beta-testing application using C#, Azure SQL, and PowerBI.
- Received offer to return as software engineering intern in May 2019.

Medimo Labs   *Toronto, CA*
Software Development Intern   *June 2017 – September 2017*
- Medical data application for doctors built with Javascript (React.js).
- Implemented patient profile, navigation tools, and data visualization.

Academics

Science of Imagination Laboratory   *Carleton University*
Research Scientist   *September 2018 - December 2018*
- Will research the applications of natural language processing techniques to conceptual metaphor.
- Directed studies under the supervision of Professor Jim Davies.

Faculty of Journalism   *Carleton University*
Volunteer Software Developer   *October 2017-November 2017*
- Assisting Professor Christine Crowther assign students to groups for midterm project.
- Unsupervised machine learning algorithm resulted in strong grades, significant time savings.

Science Student Success Centre   *Carleton University*
Recognized Study Group Leader   *September 2017 – Present*
- Assisting peers with introductory programming classes using Jupyter Notebook tutorials.
- Used Node.js, React, and Firebase to implement oauth2 attendance-verification website.

Carleton Computer Science Society   *Carleton University*
First Year Representative   *September 2017 – May 2018*
- Elected by peers to represent first year students in the computer science faculty.
- Designed first line of branded merchandise.

Projects

Cortana Query Generator (OneWeek 2018)   *Python*
A model which takes a Cortana query as input and generates novel, semantically similar queries.

Data Science Workshops   *Python*
Using Jupyter Notebook, Pandas, and Scikit-Learn for workshops on Gradient Descent and
K-Means Clustering as part of STEM Fellowship's Big Data Challenge.

TheCaf on Google Home   *Python (Flask), Heroku*
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.

Awards

May 2018	**Lester B. Pearson Award**, Awarded to outstanding students proceeding from one year to another.	*Carleton University*
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 Exam**, Placed in the top 9.1% of participants, achieving highest possible score.	*US College Board*