

Jacob Danovitch

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Experience

Microsoft Search, Assistance, and Intelligence

DATA SCIENTIST INTERN

Seattle, USA

May 2020 - Aug. 2020

- Return offer for data scientist internship beginning May 2020.
- Contributing to deep learning projects in MSAI.

Carleton University

TEACHING ASSISTANT

Ottawa, Canada

Sept. 2018 - Present

- Storytelling with Data. Assisting journalism students in-class with data science tools.
- Previously: Web Development, Discrete Structures I, Introduction to Computer Science I.

Microsoft Cortana

SOFTWARE ENGINEERING INTERN

Seattle, USA

May 2018 - Aug. 2019

- Implemented dashboard and backend Azure-SQL library for feedback collection application.
- Patent pending for contributions to project extracting insights from Outlook emails using deep learning.

Medimo Labs

SOFTWARE DEVELOPMENT INTERN

Toronto, Canada

Jul. 2017 - Sept. 2017

- Contributed to medical data visualization application.
- Implemented client-facing dashboard and search functionality with React.js.

Research

Patents

Fenton et al. (2019). *Composing Rich Content Messages*. (MS# 406941-US-NP). U.S. patent application.

Publications

Danovitch, J. (2020). *Linking Social Media Posts to News with Siamese Transformers*. International Conference on Natural Language Computing Advances (NLCA), Vancouver, CA.

Danovitch, J. (2019). *Trouble with the Curve: Predicting Future MLB Players Using Scouting Reports*. 2019 Carnegie Mellon Sports Analytics Conference, Pittsburgh, USA.

Danovitch, J., & SalahEldeen, H. (2019). *Compositional Attention Networks for Context-Aware Text Classification*. Technical report, Microsoft Search, Assistance, and Intelligence, Seattle, WA.

Lynch, B., Danovitch, J., & Davies, J. (2018). *Towards a Computational Approach to Conceptual Metaphor*. Poster session at CogSci 2019, Montreal, CA.

Current Projects

Do Human-Written Explanations Make Neural Attention More Interpretable?

UNDER PROF. MAJID KOMEILI

Carleton Data Science Institute

Sept. 2019 - Present

- Showed that guiding attention using explanations produces more interpretable results.
- Ongoing work for bachelor's thesis supported by I-CUREUS research grant.

Disinformation in Canadian Political Discourse

UNDER PROF. MAJID KOMEILI & PROF. MICHAEL CHRISTENSEN

Carleton Data Science Institute

Nov. 2018 - Present

- Constructing novel dataset of malicious tweets surrounding newsworthy Canadian events.
- Developed data annotation platform for crowdsourcing with Amazon Mechanical Turk.

Education

Carleton University

BSc. IN COMPUTER SCIENCE (HONORS) | MINOR IN PSYCHOLOGY | CUM. GPA: 4

Ottawa, Canada

Sept. 2017 - Aug 2020 (Ex.)

- Accepted to OCICS 5-year masters track (concentration in data science).
- Coursework in deep learning, information retrieval, knowledge graphs.
- Dean's List: 2017 - Present.