

Profile

I'm a Bradford-based software developer with 9 years of experience bringing data intensive cloud applications to production. My specialty is technical leadership, communication, and delivery.

Skills & Knowledge

- Public speaking and technical communication are my greatest strengths. I developed my presentation skills through professional development courses in graduate school and from working with diverse technical and non-technical stakeholders in all my professional roles.
- I have deep experience designing clean, well-documented, and performant cloud software.
- I'm an AWS certified Machine Learning Specialist and I have in-depth experience running AI workloads and data-intensive distributed systems on AWS and GCP.

Employment History

Town of Bradford West Gwillimbury, Bradford, ON

Digital Transformation and Experience Lead

April 2025 – Present

- Reporting to the Deputy Chief Administrative Officer, this role drives the strategic vision and is directly responsible for the successful delivery of digital transformation initiatives across the organization.

CBC/Radio-Canada, Toronto, ON (Remote)

Senior Machine Learning Developer

October 2022 – April 2025

Machine Learning Developer

April 2021 – October 2022

- Mentored and sponsored teammates through 1-1s, code reviews, facilitating cross-team initiatives, providing feedback on design documents, and setting technical direction.
- Reduced my team's cloud billing by 48% through increased monitoring, alerting, and code optimization.
- Led a cross-team initiative developing a related videos system that increased relative click-thru by 17% compared to an existing system. This system now serves over 1 million requests/day.
- I led the migration of a major API version spanning multiple teams, reducing total lines of code by 25% in a large codebase serving ~80 requests/second.

CaseWare International, Toronto, ON

Server Developer – Machine Learning

May 2016 – March 2021

- Developed a named entity recognition model that doubled the successful extraction rate for lease parties compared to a baseline model. I deployed this model, with unit tests, using AWS SageMaker.
- Trained and evaluated models for predicting future amendments to financial statements. Achieved a 10% reduction in model error by implementing multiple feature selection algorithms.

Academic Background

Master of Science, Applied Computing

September 2015 – January 2017

University of Toronto, Toronto, ON

Honours Bachelor of Arts (with high distinction), Computer Science

September 2011 – April 2015

Wilfrid Laurier University, Waterloo, ON

- Received an Undergraduate Student Research Award to work on a team conducting novel graph theory research. Our results were published in *Discrete Applied Mathematics* (2016).

Honours and Awards

MScAC Program Award – 2021 Alumni of the Year

November 2021

MITACS Accelerate Fellowship

December 2016

Addictive Mobility Scholarship in Applied Computing

December 2015