

## EDUCATION

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### **Carleton University**

BCS, Bachelor of Computer Science with Distinction

### **Algonquin College of Applied Arts and Technology**

Business Administration Advanced Diploma with Honors

## EXPERIENCE

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### **SurveyMonkey**

#### **Senior Software Engineer I, March 2025 - Present**

- Designed and implemented a net new API that tied legacy code models and classes to expose survey taking logic to a new React-based application

### **SurveyMonkey**

#### **Full-Stack Software Engineer II, Jan 2023 - March 2025**

- Implemented a Celery task queue to support a net new extract, transform, load (ETL) process data steamed from a Kafka message to prepare market research data for advanced analytics.
- Improved the scalability and performance of critical microservices supporting market research solutions by implementing a cache system using Redis, which led to a 44% reduction in mean response time.
- Migrated our team's CD/CI Pipeline to Github Actions from Teamcity and moved our branching strategy to trunk-based. Increasing our number of deploys per month by 300%
- Led and designed an integration of PayPal into SurveyMonkey Forms with NextJS creating a new use case for our forms product.
- Spearheaded the design and implementation of a survey qualification proxy system using AWS Lambda, Redis, and Kafka to enable our survey taking team to build out a new experience while supporting users on a legacy one.

#### **Full-Stack Software Engineer I, Jan 2022 - Jan 2023**

- Designed and created a scalable microservice from the ground up using Python FastAPI, Memcache, and SQLAlchemy that allows processing persisted user settings for our market research solution.
- Developed modern React and Typescript components with advanced filtering and sorting capabilities to visualize complex time series-based data, improving data accessibility and user experience.
- Created Apollo GraphQL resolvers and queries to support complex data retrieval from multiple micro services to our front-end.
- Designed, led, and developed a CLI tool built with Python using a strategy design pattern that allowed developers to quickly debug and solve customer issues, which decreased our response time on bugs while saving engineering resources.

**Full-Stack Software Engineer Internship**, Aug 2021 - Jan 2022

- Developed an internal admin tool with React, JS, and Python to support customer success managers (CSMs) handling client issues. This reduced the team's dependence on engineers to solve customer problems, minimizing the logging of production bugs and CSM's reliance on the engineering team.

**Carleton University**

**Computer Science Teaching Assistant**, Sept 2021 - Dec 2021

- Taught web development fundamentals with the MERN stack to hundreds of second year computer science undergrads through live workshops hosted over Zoom and pair programming sessions during tutorials.

**Shopify Plus**

**Account Executive Internship**, Sept 2018 - Dec 2018

- Led the process of closing two net new accounts worth \$48,000 from cold-call to closed-won
- Led a solution with data-scientists and solutions engineers to create a tool that generated thousands of new outbound leads for the growth sales team

**SELECTED AWARDS**

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**Outstanding Achievement Award**

**Awarded by SurveyMonkey, Inc.** March 2025

- Presented with the Outstanding Achievement Award voted by 800 of my peers in the engineering organization to recognize success in my work in the 2024 year

**Social Impact Award**

**Awarded by SurveyMonkey, Inc.** Aug 2020

- Presented with the Social Impact Award by SurveyMonkey's CTO for developing a tool during SurveyMonkey's hackathon to flag non-inclusive language during survey creation to make for more inclusive survey design.

**TECHNICAL SKILLS**

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- Python, SQL, React, JS, Node, NextJS, Typescript, Apollo, GraphQL, Git & Github, Docker, Poetry, Celery, Jira, Confluence, Redis, Looker, Kafka, Kagent, Figma