

George Lifchits

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Education

Toronto **University of Toronto**, Department of Computer Science

Sep 2018 – present

Master of Science (MSc)

Supervisor: Dr. Ashton Anderson

Teaching assistance: Social and Information Networks (CSCC46: fall 2018, fall 2019), Programming on the Web (CSC309: winter 2019), Introduction to Databases (CSC343: summer 2019)

Waterloo
2010 – 2016

Wilfrid Laurier University, Business & Computer Science, double degree

Honours Bachelor of Science in Computer Science (BSc)

Directed Research Project: *A Quantum Computing Algorithm for a Combinatorial Search Problem*
Supervised by Dr. Shohini Ghose & Dr. Ilias Kotsireas

Instructional assistance: Introduction to Programming (CP104, from 2012-2014)

Other activities: Web coordinator for [2015 AMMCS-CAIMS conference](#), [MS2Discovery Research Institute](#)

Honours Bachelor of Business Administration (BBA)

Other activities: Wilfrid Laurier University Debating Society

Professional Experience

Kitchener **PiinPoint**, Full Stack Developer

May 2016 – May 2018

Managed two co-op students: conducted technical on-boarding, prioritized work items, provided mentoring.

Built and deployed Dockerized web application on Google Container Engine (managed Kubernetes). Django/Python backend with PostgreSQL database and a React/Redux frontend.

Deploying and managing a farm of hundreds of virtual machines performing large-scale data collection.

Performing PostgreSQL optimization to efficiently query terabyte-sized tables.

Participated in sales calls, and user onboarding calls with prospective and current customers.

Collaborated on product design and release planning with product manager.

Developed new features for a web application using a Python backend and React.js frontend.

Kitchener, Seattle **Beagle.ai**, Front End Developer, co-founder

May 2014 – Feb 2016

Beagle uses natural language processing to help businesses understand contracts faster. It was the first Canadian company to participate in the *Seattle Microsoft Ventures Accelerator*.

Built an initial prototype, which evolved into an Angular.js/Django application. Refactored frontend to use React.js for significant engineering productivity gain.

Collaborated with an international, remote development team to design and build new features.

Toronto **Ontario Teachers' Pension Plan**, Programmer Analyst (Solution Engineering) (co-op)

Fall 2014

Sole maintainer and developer for two internal web applications using PHP, React.js, Oracle, MySQL.

Toronto **Myplanet**, Fellowship Program

Spring 2014

Learned and applied principles of user research, product management, and web development.

Discovered a business problem for a local coffee shop and built a web application to solve it.

Waterloo **Axonify**, Quality Assurance Engineer (co-op)

Fall 2013

Performed manual acceptance testing, regression testing, and designing test plans.

Built prototype to perform automated Selenium testing that integrated with Jenkins build process.

Waterloo **Validus Research**, Catastrophe Risk Analyst & Application Developer (co-op)

Summer 2012

Designed and developed a RESTful API with Python backend that processed large SQL datasets.

Developed a browser front-end using jQuery, and several command line tools in Python.

Last updated: September 2019