

## WORK EXPERIENCE

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<b>Software Engineering Intern</b>	<b>Yelp Inc</b>	<b>Aug-Dec 2016</b>
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- Designed a Cassandra database and implemented read/write API endpoints for Yelp's Ad Leads data
- Updated data processing batches and other Ad components to use the new Leads API
- Partially implemented the Ad Campaign service and refactored Ad Campaign related code in main codebase, significantly reducing code complexity and providing clear interfaces for working with Ad Campaign products
- Technologies Used: Python, Pyramid, SQLAlchemy, MySQL, Cassandra

<b>Software Developer</b>	<b>XE.com Inc</b>	<b>Jan-May 2016</b>
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- Redesigned and implemented XE's newsletter email service by integrating with Mailchimp
- Created an API client and implemented new features for XE's RESTful currency API
- Maintained and developed features for the XE.com website, used by millions of users worldwide
- Designed and implemented a test automation framework for XE.com's Currency Converter using Selenium
- Technologies Used: LAMP stack, ReactJS, jQuery, Java, Spring, Redis, MySQL, AWS SNS/SQS, Python, Tomcat

<b>Software Development Intern</b>	<b>NCR Canada Ltd</b>	<b>Jan-Apr 2015</b>
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- Developed features for two factor SSO user authentication system for NCR's remote capture software
- Identified and resolved performance bottlenecks by analyzing database queries and improving code base
- Provided performance analysis and troubleshooting consultation to bank clients
- Technologies Used: Java, Ant, Spring, Maven, IBM WebSphere, Oracle DB, MSSQL, Tomcat, Jetty, jMeter

<b>Technical Student</b>	<b>Toronto Hydro</b>	<b>May-Aug 2014</b>
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- Created VBA scripts to automate data analysis and report generation, saving hours of manual work per day
- Prepared spreadsheets and reports for Toronto Hydro's 2015 utility rates filing

## EDUCATION

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<b>Waterloo, ON</b>	<b>University of Waterloo/Wilfrid Laurier</b>	<b>Class of 2018</b>
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- Candidate for Bachelor of Computer Science/Business Administration double degree. **GPA: 3.9**
- Relevant Courses: Data Structures, Algorithms, Operating System, User Interfaces

## PROJECTS

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### Emo-Video

- Web-App that analyzes a user's picture and displays a YouTube music video based on the emotion exhibited in the picture, implemented using Python Flask and Microsoft Faces Emotion API

### BonusStudyChecker

- Java program to notify students of new extra credit study opportunities by scraping the bonus studies site, implemented using Java Spring Framework

### Chamber Crawler 3000

- Dungeon Crawler (rogue-like) game for bash terminal implemented in C++ in Linux environment

### Sunshine

- A simple Android weather app created for Udacity's Android Development course

### FunTimes

- Text-based fighting game implemented using Swing GUI using OOP methodologies

## LANGUAGES AND TECHNOLOGIES

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- **Languages:** Python, Java, PHP, C, C++, JavaScript, SQL, HTML, CSS, Swift, VBA
  - **Technologies:** Flask, Pyramid, SQLAlchemy, Spring, jQuery, AWS, IBM WebSphere, Tomcat, Docker, Redis
  - **Databases:** Cassandra, PostgreSQL, MySQL, SQLite, Oracle DB, Microsoft SQL Server
  - **Tools:** Eclipse, IntelliJ, Android Studio, xCode, Sublime, Git, Bash, jMeter, Ant, Maven, PyCharm