

# DHRON JOSHI

3A Computer Science

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## WORK EXPERIENCE

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### Software Developer

Jan 2017 — April 2017

*Ubiquitous Health Technology Lab; University of Waterloo*

*Waterloo, ON*

- Incoming software developer at the UbiLab to work on computational analysis of health data.

### Web Developer

Apr 2017 — Sept 2017

*Ontario Institute for Cancer Research — (OICR)*

*Toronto, ON*

- Migrated 20 high-traffic OICR sites to accommodate MERN stack and reduced deployment times by 40%.
- Developed Markdown validators in JavaScript for files inserted into Apache Solr for indexing.
- Collected system metric data using Grafana and InfluxDB for analysis prior to production.
- Implemented a live-preview API written in Ruby extending core functionality.
- Managed staging server infrastructure.

### CS246 Instructional Support Assistant

Aug 2016 — Dec 2016

*CS246 - Object-Oriented Software Development; University of Waterloo*

*Waterloo, ON*

- Taught object-oriented concepts and design patterns to students.
- Enhanced students' understanding of object-oriented development in C++, improving the class midterm average by 7% from previous term's administration.
- Developed and released new tutorial and review content to aid in students' learning throughout the term.

## PROJECTS AND ACTIVITIES

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### Velocity Residence

Sept 2017 — December 2017

*Entrepreneurship Program*

- Focused on developing entrepreneurial skills.

### ChampRotation

May 2016 — Present

*League of Legends API Project*

- Developed a web app that displays the free champions of the week in the online game League of Legends.
- Implemented the utility with NodeJS and Express to retrieve data from the API.
- Designed Mongoose.js schemas to store champion information in MongoDB for efficient validation and access.

### Switter — HackHarvard

Oct 2016

*Financial Decision Web App*

- Worked in a group of four to develop a web app that performs sentiment analysis on tweets containing stock symbols.
- Implemented functional UI features using React.js, Redux, and Chart.js on the front-end based on Material Design principles.

## EDUCATION

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### University of Waterloo

*Candidate for Honours Bachelor of Computer Science Co-op*

Sept 2015 - Apr 2020 (Expected)

- **Coursera:** *Stanford University* - Machine Learning

(Present)