

# Dimitar Dimitrov

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## Technical Skills

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**Languages:** Python, Java, JavaScript, SQL, HTML/CSS.

**Technologies:** TensorFlow, Keras, AWS, Docker, GraphQL, React Native, PyTest, JUnit, Jest.

## Work Experience

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### Ericsson

SOFTWARE ENGINEER, INTEGRATION LAYER

**Toronto, ON**

*May 2018-Apr 2019*

- Designed GraphQL Java service to prevent under/over fetching of data in Ericsson's Customer and Partner Interaction API gateway. Improved performance by 13 percent for use case.
- Introduced tool for dynamic GraphQL schema generation, cached results with Guava Cache to further reduce latency.
- Developed REST API analytics tool in Python, gathering metrics for future performance improvements. Tool generates Excel workbook complete with charts and queryable tables.
- Collaborated with UX designer to develop JavaScript self-care portal from wireframes.
- Utilized unit testing frameworks to reach 100 percent test coverage on server-side code.

### Sheridan College

JAVA LEARNING ASSISTANT

**Oakville, ON**

*Sep 2017-Dec 2017*

- Effectively explained programming concepts to new students through one-on-one appointments and drop-in sessions which 87 percent of surveyed students rated very good/excellent.
- Organized and co-lead Exam Cram group study sessions preparing Level 1 Java students for midterm and final exams while breaking an attendance record with 225 students across two campuses.
- Facilitated initiative for students during strike involving challenging string, loop, and class design problems.

## Projects

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### CNN Sentence Classification

*Python, TensorFlow, Keras*

- Convolutional neural network for sentence classification modeled after (Kim, 2014) and (Zhang and Wallace, 2016). Achieves benchmark performance for sentiment analysis on SST-1 and SST-2 datasets with Word2Vec embeddings.

### Machine Learning Sentiment Analysis

*Python, Sci-kit Learn*

- Reviewed classical ML classifiers multinomial naïve Bayes, support vector machine, and k-nearest neighbors for sentiment analysis of movie review polarity dataset.

### AWS One-Click Deploy

*Python, AWS, Azure*

- One-click deployment scripts for AWS ec2 instances and Azure VMs. Installs virtual machines, docker, and docker images specified in configuration file.

### Budget Watch

*Ruby on Rails, React Native, GraphQL*

- Developed cross-platform app where users can find and track their favorite movies and TV shows. Wrapped TMDb REST API, dynamically generated GraphQL schema to query related data more effectively.

## Education

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### University of Guelph

HONOURS BACHELOR OF COMPUTING IN COMPUTER SCIENCE, 3.7 GPA

**Guelph, ON**

*Sep 2015-Aug 2020*