

# PARSA TORABIAN

3A Electrical Engineering Coop Student

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## WORK EXPERIENCE

### Software Developer - Bombardier Aerospace

September 2017 – December 2017 (Toronto)

- Designed and implemented a data pipeline for aggregating and loading aircraft report metadata
- Sped up data caching for web applications by up to 1400%
- Presented status of internal tools to management

### Software Developer - Sunnybrook Hospital

January 2017 – April 2017 (Toronto)

- Redesigned and rebuilt a fully responsive, web-based medical image viewer suitable for clinical testing using LAMP stack

### Software Developer - Holmusk

May 2016 – August 2016 (Singapore)

- Designed and implemented a NodeJS chatbot and accompanying iOS app from scratch
- Used Redis and Lua to create a rule-based chat engine to simulate dietitian feedback

### iOS Developer – Glocalspace Inc

May 2015 – December 2015 (Toronto)

- Used Swift/Objective-c to maintain a commercial POS app. Worked primarily on data consistency and integrity
- Designed an SQLite object visualizer tool to help QA testers see data discrepancies

### Engineering Assistant – Brightstar Canada

June 2014 – August 2014 (Markham)

- Simulated cell-tower emission levels and wrote safety reports citing the results
- Worked as part of a team of three to do continuous-wave testing at Pearson Airport

## STRENGTHS

- Python and Java
- MySQL, Redis, Postgres
- NodeJS and LAMP Stacks
- Extracting specifications, working with ill-defined problems
- Oral and written communication
- iOS development
- Web development (HTML, CSS, Javascript)

## INTERESTS

- Natural Languages
- Computational Neuroscience
- Philosophy of Mind
- Persian/English literature
- Travel and photography

## EDUCATION

### University of Waterloo (Waterloo)

Electrical Engineering

January 2016 – May 2020

Candidate for Honors Bachelor of Applied Science, Co-op

### McMaster University (Hamilton)

First Year General Engineering

September 2014 – April 2015

Completed first year of general engineering. Subsequently transferred to University of Waterloo