

# 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 an ETL application for managing various aircraft acoustic and vibrations test data from scratch
- ✓ Sped up data caching for web applications by up to 1400%

### Software Developer - Sunnybrook Hospital

January 2017 – April 2017 (Toronto)

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

### 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
- ✓ Created a key-value system for phrases to feign human feedback and random conversation

### iOS Developer – Glocalspace Inc

May 2015 – December 2015 (Toronto)

- ✓ Started job doing iOS automated testing
- ✓ Promoted to iOS developer two months in
- ✓ 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

## PROFICIENCIES

- ✓ MySQL database design
- ✓ Redis and NoSQL
- ✓ Python and Java
- ✓ NodeJS and LAMP Stacks
- ✓ iOS development (Swift/Objective C)
- ✓ Web development (HTML, CSS, Javascript)

## 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

## INTERESTS

- ✓ Natural Languages
- ✓ Computational Neuroscience
- ✓ Philosophy of Mind
- ✓ Artificial Intelligence
- ✓ Automation and Controls