

PARSA TORABIAN

3A Electrical Engineering Coop Student

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WORK EXPERIENCE

Bombardier Aerospace – Software Developer

September – December 2017, Toronto

- Designed and built an ETL 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

Sunnybrook Research Institute – Software Developer

January – April 2017, Toronto

- Redesigned and rebuilt a fully responsive, web-based medical image viewer suitable for clinical testing using LAMP stack
- Maintained and optimized an image processing pipeline for MRI images

Holmusk – Software Developer

May – August 2016, Singapore

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

Glocalspace Inc – iOS Developer

May – December 2015, Toronto

- Used Swift/Objective-C to develop a commercial POS app. Worked primarily on data consistency and integrity

Brightstar Canada – Engineering Assistant

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

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

SKILLS

- Python, Matlab, Java
- MySQL, Redis, PostgreSQL
- NodeJS and LAMP stack
- Extracting specifications, working with ill-defined problems
- Oral and written communication
- iOS development (Swift/Objective C)
- Web Development (HTML/CSS/JS)

INTERESTS

- Artificial Intelligence
- Signal Processing
- Computational Neuroscience
- Natural Languages

Visit torabian.me to see some references!