

# ROWAN DEMPSTER

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📄 rowandempster    in rowandempster

## WORK EXPERIENCE

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### Sony Creative Software

*Software Engineer*

Waterloo, Ontario

Current - December 2017

- I am part of a team developing software to improve communication between students and professors during lectures.

### Kik Interactive

*Android Developer*

Waterloo, Ontario

January 2017 — April 2017

- Implemented and shipped features including GIF favouriting and message timestamps using Java and best practices in Object Oriented design.
- Utilized the Model-View-ViewModel design pattern to decouple the UI and backing logic of features, allowing for high coverage unit testing at the ViewModel layer.
- Efficiently moved features through multiple rounds of code review and QA using Git and JIRA.

### TribalScale

*Software Engineer*

Toronto, Ontario

May 2016 — August 2016

- Developed the podcast section of the ABC News Android App using the OkHttp networking client and SQLite databases.
- Collaborated with one other engineer to ship the Helpful.com Android App to the Play Store within the first six weeks of development.
- Worked closely with design and QA staff to send weekly builds to clients, allowing for quick iteration on features.

## SKILLS

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Programming:            Java, C++, C, Angular/ReactJS, Node.js, HTML/CSS, SQLite, MongoDB

Environments/Tools:    Git, JIRA, IntelliJ IDEs, Linux, AWS EC2/CodeDeploy

## PROJECTS

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### Motivate Me Java, SQLite

📄/rowandempster/MotivateMe

- Android App that transforms users' wallpapers into a stream of customizable quotes.
- Implemented a quote database to decrease API calls and allow the App to function offline.

### Hey Ada Node.js, MongoDB

📄/rowandempster/Hey-Ada

- A Chat Bot that allows distressed users to anonymously communicate with a group registered supporters via Facebook Messenger.
- Implemented a MongoDB database to organize and persist group member lists and supporter contact details.

### Colour My World JavaScript, Python, HTML/CSS, Node.js

📄/rowandempster/colour-my-world

- Web App which uses the Caffe deep learning framework to colourize black and white sketches or uploaded photos.
- Integrated Clarifai API for feature recognition and Twitter API for photo tagging and sharing.

## EDUCATION

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### University of Waterloo

Waterloo, Ontario

Bachelor of Computer Science - 88% Cumulative Average and 90% Major Average

Grad: April 2020

#### Relevant Courses:

- Elementary Algorithm Design and Data Abstraction (C)
- Object-Oriented Software Development (C++)
- Data Structures and Data Management

## ACTIVITIES

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**WATonomous** - Core Member of the Path Planning team competing in the SAE AutoDrive challenge over the next three years.

#### Hackathons - Project Link

- Hack the North - 📄 Neighbour Cater
- HeForShe Equithon - 📄 Hey Ada

Fall 2016 - University of Waterloo

Spring 2017 - University of Waterloo