ROWAN DEMPSTER
SOFTWARE ENGINEER

» Contact

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» Summary

- Two years experience in Java through on job experience, AP Computer Science, and personal projects.
- Completed first year Computer Science on Term Dean's Honors List both Fall and Winter term.
- Excellent leadership and communication ability obtained through social work environments, team project involvement, and volunteer service.

» Skills

PROGRAMMING LANGUAGES

Java

Scheme/Racket

HTML/CSS/XML

Python

ReactJS

PROGRAMMING ENVIRONMENTS/TOOLS

Android Studio

Eclipse

Git

Pivotal Trakcer

» Employment

TribalScale   May 2016 to Aug 2016
Agile Software Engineer Co-op
- Part of a Agile Software development team that utilized Pair Programming. Worked on Android Apps for ABC News and Helpful Inc.
- Gained experience using Android Studio, Java, XML, Git, and PivotalTracker.

Sailing Instructor   Jun 2013 to Aug 2015
Boating in Boston
- Led a total of ~250 hours of sailing classes over the past two summers.
- Polished communication and leadership skills, learned how to work in a fast paced and versatile environment.

» Projects

Colour My World -- Actively hosted on AWS
- Web App that colors black and white sketches or uploaded photos by utilizing the Caffe Deep Learning Framework.
- Front end written in HTML/CSS/JS utilizing jQuery/AJAX for API calls. Back end server is an express Node.js App.
- Please contact me if you would like to see the project in action, I have to turn on the AWS server for the site to become active.

Poster Reader --- On Personal Site
- Integrates OCR (Tesseract and Leptonica) libraries with cropping and Google Calendar APIs.
- Lets users take pictures of posters and add displayed dates and descriptions to their calendar.
- Written in Java/XML using Android Studio.

Text Message Encryption (RSA) --- On Play Store and Personal Site
- Generates public and private RSA keys; encrypts and decrypts messages using the RSA Encryption Algorithm.
- Written in Java/XML using Android Studio and Eclipse IDE.

Wat I Eat --- On Personal Site
- Utilizes UWaterloo API and basic database filtering to respond to users' queries.
- Users enter a food outlet, date, and meal time; Wat I Eat returns the meals being served and the nutritional facts about those meals.
- Written in Racket using Seashell environment.

» Education

University of Waterloo
Bachelors Computer Science 2020
Achievements: 3.95 /4 First Year GPA, attended Eng-Hack Fall and Winter Term, member of Computer Science Club

Melrose High School
2015
Achievements: Varsity Team Captainships for Soccer and Tennis, completed AP Computer Science

» Awards

Dean's Honours List - University of Waterloo   Fall 2015
In recognition of: Outstanding academic achievement in an academic term…registered in an honors plan with a Term Average (TAV) of at least 87%.

National AP Scholar - College Board   Jul 2015
Granted to: Students in the United States who receive an average score of at least 4 on all AP Exams taken, and scores of 4 or higher on eight or more of these exams.

Xerox Award for Innovation and Information Technology - University of Rochester   Nov 2014
Awarded for: A strong interest in innovation and/or information technology and a high level of achievement in this area.

» Volunteering

Math and Science Tutor - Calculus/Physics   Fall 2013 to Spring 2015
- Tutored students for 50+ hours in Calculus and Physics using deep understanding of the subjects.
- Improved communication skills and cemented own knowledge.

National Honor Society   Sep 2014 to May 2015
- Launched clean up project at local pond, honed organization and interpersonal skills.
- Organized a seminar geared towards decreasing student stress at high school.