

EMERY GERNDT OTOPALIK

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EDUCATION

WELLESLEY COLLEGE, Wellesley, MA
Candidate for BA, May 2016; Computer Science Major

August 2012 – May 2016

UNIVERSITY OF OTAGO, Dunedin, NZ
Semester Abroad; Computer Science

July 2014 – November 2014

Relevant Coursework:

- Computer Programming & Problem Solving
- Data Structures
- Fundamental Algorithms
- Intro to Computer Systems
- Theory of Programming Languages
- Languages & Automata
- Database Theory & Applications
- Computational Biology
- Data Communications, Networks, & the Internet
- Languages & Automata
- Computer Security
- Calculus I/II
- Combinatorics & Graph Theory
- Number Theory
- Fundamentals of Engineering

EXPERIENCE

TETRASCIENCE

January 2016 – February 2016

TetraScience takes an IoT approach to analyzing and monitoring lab equipment. I had two projects while interning. The first was to build a Node library that could easily take any type of data and convert it into different data representations that could be modularly used for the TetraScience Client Dashboard or for PDF generation. The second was to overwrite the bash script for regular network configuration to synchronize a present 2G/3G USB Wifi/Network dongle with the TetraScience device to eliminate any extra setup of devices in remote areas.

MIT APP INVENTOR

January 2015 – January 2016

App Inventor is an experimental, blocks-based programming tool for building fully functional Android applications. It runs as a web service maintained by MIT's Center for Mobile Learning. As a part of the App Inventor Development Team, my work focused on sustaining and implementing debugging features across the browser/Android live development link. I was awarded funding through the Wellesley College Research Program and NSF grants.

COMPUTER SCIENCE TUTOR

September – December 2015

I tutored for a course titled "Inventing Mobile Apps" where students learn to develop Android Apps using MIT App Inventor. I hold regular help room hours and communicate with students who seek extra help.

LEADERSHIP

WELLESLEY WHIPTAILS ULTIMATE FRISBEE EXEC BOARD

January 2013 – May 2016

Elected by Peers: *Treasurer* (Sep 2013 – May 2014); *President* (Jan 2015 – May 2016)

FIRST YEAR MENTOR

September 2015 – May 2016

I was selected to mentor first year students as they join the Wellesley community. Throughout orientation week and the following semesters I provided support and guidance to students as they acclimated to the college environment.

WELLESLEY COLLEGE MAILROOM

June 2013 – May 2016

Student Manager (September 2015 – May 2016)