

EMERY GERNDT OTOPALIK

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EDUCATION

WELLESLEY COLLEGE, B.A. Computer Science, May 2016

UNIVERSITY OF OTAGO, Dunedin, NZ, Semester Abroad; Computer Science, July 2014 – November 2014

Relevant Coursework: Data Structures, Algorithms, Theory of Programming Languages, Computer Systems, Database Theory & Applications, Languages & Automata, Computational Biology, Computer Security, Combinatorics & Graph Theory, Number Theory, Fundamentals of Engineering

Proficient: Java, JavaScript, C, HTML/CSS, Bootstrap, Scheme, Unix/Linux

Can get by: Python, Ruby, Node.js, JQuery, MySQL

EXPERIENCE

TETRASCIENCE, Software Development Intern January 2016 – February 2016

HTML/CSS/PhantomJS/Node.js, Bash Programming Language

- Developed a Node module for converting data sets into different representations that could be used for the TetraScience Client Dashboard and for PDF generation of data reports.

- Overwrote regular network configuration of the TetraScience device so that it was compatible and synchronized with 2G/3G network/Wi-Fi dongles upon boot.

MIT APP INVENTOR, MIT App Inventor Development Team January 2015 – January 2016

JavaScript/Java/Scheme

- Sustained and implemented 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, “Inventing Mobile Apps” September – December 2015

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

WELLESLEY COLLEGE MAILROOM June 2013 – May 2016

Student Manager (September 2015 – May 2016)

LEADERSHIP

WELLESLEY WHIPTAILS ULTIMATE FRISBEE

President (January 2015 – May 2016): Organized practices and tournaments, liaison between the 60-person club and Wellesley College Administration, oversaw other Executive Board positions, managed team memberships and registrations.

Treasurer (September 2013 – May 2014): Managed team money, kept good bookkeeping, applied for funding, oversaw Fundraising and Merchandise Chairs.

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.

PROJECTS

For Teeth, In progress

Rebuilding the website for a dental care business.

PennApps Whurr?

JavaScript web app to suggest activities that are available and nearby utilizing the Foursquare API.

M&M Game

Built an expanded version of the Peg Game using JFC/Swing.