

EVY KASSIRER

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TECHNICAL SKILLS

- Proficient in C++, Racket
- Experience with Git, Ubuntu, bash commands, Google App Engine, Python, webapp2, HTML
- Familiar with L^AT_EX, C, JavaScript, CSS
- Hackathon experience with Android development, PHP/MySQL, Django

PROFESSIONAL SKILLS

- Actively curious with a strong drive for researching and learning new technology
- Excellent communication skills and work ethic
- Passion for problem solving demonstrated by top 25% achievement in six UWaterloo math contests

WORK EXPERIENCE

Google

May-August 2014

Engineering Practicum Intern

- Implemented touch accessibility for Chromebooks, creating software for blind and low-vision users
- Selected, designed, and completed 3 core touch screen features and fixed over 5 accessibility bugs
- Surveyed blind and accessibility interested Google employees on accessibility features and preferences. Used this information to redesign a buggy implementation of passthrough mode (often used for smooth scrolling and drag and drop) to a cleaner implementation that allowed for multi-finger swipe gestures mapped to common accessibility needs
- Tested all written code thoroughly with over 10 browser and unit tests
- Contributed over 15 changes in C++ to the Chromium codebase: <http://goo.gl/10omcY>
- Design document describing the details of the project: <http://goo.gl/M24dsP>

Tutor: Grade 6 Math

December 2012-June 2013

- Communicated concepts clearly to reinforce basic skills and prepare for tests
- Assessed student needs and developed appropriate lesson material, such as using educational computer games and creating multiplication flash cards, which improved student performance

EDUCATION

Candidate for Bachelor of Computer Science, Honours · University of Waterloo, Waterloo, Ontario, September 2013-2018 expected · Cumulative Average: 96.4%

Selected Coursework:

- **Designing Functional Programs (advanced version):** Sets · Algorithm Analysis · Abstract Data Types · Pattern Matching · Functional Abstraction · Binary · Trees · Interpreters · Sorts
- **Elementary Algorithm Design and Data Abstraction (advanced version):** Memoization · Implementing Imperative Languages · Memory · Compilers · Assemblers · ARM architecture

HACKATHON EXPERIENCE

YCHacks CodeNext

August 2014

- Developed a web application that narrows down the search for online learning resources by suggesting a single course based on user experience and interest - I primarily worked in PHP and MySQL

LinkedIn Hacker Games SimCards

July 2014

- Created an interface for users to play games with simulated cards on Android phone and tablet

RELEVANT PROJECTS

Text Format HTML, CSS, JavaScript *August - September 2014*

- Accessibility Chrome extension allows low vision users to change the text style on a webpage
- Implemented using chrome storage and event listeners to change CSS styling on all tabs

Blog App GoogleAppEngine, webapp2, HTML, Python *December 2013-January 2014*

- Completed self-learning course and developed a web application
- Implemented: HTML · HTTP Requests · GSQL · Form Handling · Cookie Hashing · Password Hashing · APIs · Scaling · Caching
- Learned to efficiently use search engines and forums to explore concepts and solve problems

RSA implementation Racket *December 2013*

- Implemented RSA model learned in algebra class using Racket code (LISP dialect)
- Enhanced program to be able to encrypt and decrypt any length of string

VOLUNTEER EXPERIENCE

Undergraduate Representative, Women in Computer Science *September 2013 - present*

Waterloo David R. Cheriton School of Computer Science

- Support women in technology through organizing workshops, mentorship opportunities, tech talks, and social events
- Currently coordinating a workshop to teach 100 female programmers web development

Proctor, Programming Challenge For Girls *December 2013*

Center for Education in Mathematics and Computing

- Assisted Grade 10 girls in becoming comfortable with the programming language Alice and guided them in completing a programming challenge

Program Coordinator and Tutor *January 2011-June 2013*

EAGLE Homework Help Club

- Improved math, science, reading, and writing skills in children from visible minority groups
- Planned lessons and led educational games
- Mentored other volunteers, guiding them to develop the skills to effectively tutor children

AWARDS AND SCHOLARSHIPS

- **University of Waterloo Dean's Honours List** *Fall 2013, Winter 2014*
- **Michael Egan Entrance Scholarship in Computer Science** *2013*
Awarded by David R. Cheriton School of Computer Science
- **Top 25% Distinction on UWaterloo Centre for Mathematics and Computing contests**
Euclid (2012-13), Fermat (2012), Cayley (2011), Galois (2011), Pascal (2010), and Gauss (2008-09)

ACTIVITIES AND INTERESTS

- **Chorister** Waterloo Chamber Choir (2014-present), Waterloo University Choir (2013-present), Cantiamo Girls' Choir (2011-2013), Ottawa Children's Choir (2006-2011)
- **Violist** UWaterloo Orchestra (2013-2014), Lisgar Orchestra (2009-2013)
- Strong interest in mental health and intersectional feminism, continuously working to make a difference for minority groups