Evy Kassirer

Computer Science, University of Waterloo

evy.kassirer@gmail.com   evykassirer.com   github.com/evykassirer   613-322-3488

Skills

- Actively curious with a strong drive for researching and learning new technology
- Proficient in C++, Racket
- Experience with git, Ubuntu, bash, Python, HTML
- Familiar with LaTeX, JavaScript, Google App Engine, webapp2, CSS
- Hackathon experience with Django, jQuery, Android development, PHP/MySQL

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: 94.53%

Selected Coursework:

- **Object-Oriented Software Development**: Bash · Pattern Matching · C++ · Design Patterns
- **Data Structures & Data Management**: Algorithm Analysis · Queues · Trees · Sorts · Hashing · Dictionaries · String Matching · Compression
- **Foundations of Sequential Programs**: MIPS Assembly · Lexing · Parsing · Code Generation
- **Computer Organization & Design**: Logic Gates · Finite State Machines · Multicycle datapaths · Pipelining · Memory Hierarchies

Hackathon Experience

DeltaHacks WhatPrivilege   *February 2015*

- Implemented an online privilege walk, http://whatprivilege.me, that allows users to identify obstacles and benefits experienced in their lives - built with Django, Skeleton, and jQuery

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

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

Volunteer Experience

Chair, Women in Computer Science Undergraduate Committee   *September 2014 - present*
Waterloo David R. Cheriton School of Computer Science

- Supports and recognizes a community of women in technology through weekly events including workshops, mentorship opportunities, tech talks, and social events
- Committed 10 hours/week in Winter 2015 term, chairing meetings, organizing tasks and events, and managing a committee of 11 people
- Coordinated two workshops to teach students version control and web development

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, Fall 2014*
- **WATCOM Scholarship in Computer Science**   *Fall 2014*
  Awarded to a student entering second year with a strong academic record
- **Michael Egan Entrance Scholarship in Computer Science**   *Fall 2013*
- **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 support and celebrate minority groups