Evy Kassirer

Computer Science, University of Waterloo

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Technical Skills

- Experience with Git, Ubuntu, bash commands from internship with Google
- Proficient in C, C++, Racket
- Google App Engine, HTML, CSS, and Python experience from Udacity Web Development course
- Familiar with LaTeX

Professional Skills

- Actively curious with a strong drive for researching and learning new technology
- Communication and team-building skills developed through five summers as a camp counsellor
- Excellent work ethic and attention to detail
- Passion for problem solving demonstrated by top 25% achievement in six UWaterloo math contests

Education

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

Selected Coursework:

- **Designing Functional Programs (advanced version)**: Structures · Lists · 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

Work Experience

Engineering Practicum Intern   *May-August 2014*
Google

- 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/1oomcY

Tutor: Grade 6 Math   *December 2012-June 2013*
Private Employer

- 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

Relevant Projects

Blog App GoogleAppEngine, 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*

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

Towers of Hanoi C++, Allegro   *2012*

- Utilized linked list nodes to create last in, first out stacks to store the towers
- Learned Allegro to provide colourful, creative, and user-friendly Graphical User Interface that surpassed marker's expectations

Hackathon Experience

LinkedIn Hacker Games SimCards   *July 2014*

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

BroncoHack FastFit   *May 2014*

- Developed a fitness application for Android that allows users to perform minute-long exercises at home and at the office

Volunteer Experience

Proctor, Programming Challenge For Girls   *December 2013*
Center for Education in Mathematics and Computing

- Supported 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-present), Lisgar Orchestra (2009-2013)
- Strong interest in supporting women in STEM and inspiring young women to join the field