

# JEAN SUNG

(206)-734-5538 | 340 E. Foothill Blvd, Claremont, CA 91711 | jsung@cs.hmc.edu | <http://cs.hmc.edu/~jsung>

---

## EDUCATION

Harvey Mudd College (HMC), Claremont, CA  
B.S. Computer Science - Major GPA: 3.4

Expected May 2016

Woodinville High School, Woodinville, WA  
High School Diploma (Valedictorian) - GPA: 4.0

June 2012

## COURSEWORK

Advanced Algorithms (Fall 2015) | Digital Electronics & Comp. Engineering | Software Development  
Data Structures & Program Development | Domain Specific Languages | Programming Practicum  
Image Processing | Linear Algebra & Differential Equations II | Multivariable Calculus

## SKILLS

*Languages:* Python, Java, C++, Racket, Prolog, MATLAB, C, Objective-C, Go,  $\text{\LaTeX}$

*Tools:* Git, SVN, Unix/Command Line, Xcode, Eclipse

*Software Development:* Agile methods, User Testing, MVC framework

## EXPERIENCE

**Software Engineering Intern**, zulily

Summer 2015

- Conducted feasibility research on a price prediction model
- Presented results to manager and director that resulted in saved company resources
- Designed, implemented, tracked results for several experiments involving novel ways of arranging the site
- Worked with Google BigQuery, Python with Numpy and Pandas, Go and Java

**Programming Languages Researcher**, HMC

Summer 2014

- Applied a programming language approach to making software tools
- Created a physics simulator to help students draw and visualize force vectors in Java with jMonkey
- Presented work at the *CCSC Southwest Region Conference*, Awarded 3rd place for poster

**Educational iPad App Developer**, HMC

Summer 2013

- Re-factored, added new features to, and published educational iPad apps for middle school students
- Primary app: HammyCoaster, free on the iTunes Store
- Presented work at the *Celebration of Women in Computing in Southern California Conference*

**PROJECTS**, all located at <http://cs.hmc.edu/~jsung>

Fall 2014

**Sum Plus Plus**

- Created a domain specific language to better express weighed sums with custom constraints
- Designed a translation suite for English rules to Excel formulas

**Pipe Dream!**, free download from iTunes Store

- Created an educational iPad game to teach middle school students about computer security
- Gained experience in agile development process, teamwork, architecture design and user testing
- Winner of the 2015 CS Department Award for Best Project of the year

## ADDITIONAL EXPERIENCE

**Intern for Office of Institutional Diversity**, HMC

Fall 2014 -Spring 2015

- Initiated and implemented office task automation projects
- Streamlined the RSVP system with Google Apps, saving one hour of staff time per event
- Helped plan events that promoted awareness of social justice issues

**Computer Science Grader & Tutor**, HMC

Fall 2013 -Present

- Held tutoring hours for students and graded homeworks

**LEADERSHIP** Girls Who Code Lead Instructor | Blood Drive Coordinator