

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, \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 -Present

- 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 | Student Council Exec. Assistant | Blood Drive Coordinator