(206)-734-5538
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http://cs.hmc.edu/~jsung

JEAN SUNG

EDUCATION

Harvey Mudd College (HMC), Claremont, CA   Expected May 2016
B.S. Computer Science - Major GPA: 3.4

Woodinville High School, Woodinville, WA   June 2012
High School Diploma (Valedictorian) - GPA: 4.0

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: Java, C++, Python, Racket, Prolog, MATLAB, C, Objective-C, LaTeX
Tools: Git, SVN, Unix/Command Line, Xcode, Eclipse, Mathematica
Software Development: Agile methods, User Testing, MVC framework

EXPERIENCE

Software Engineering Intern, zulily   Summer 2015
Programming Languages Researcher, HMC   Summer 2014
- Applied a programming language approach to making software tools
- Focused on extensibility and re-usability for domain experts
- Created a physics simulator to help students draw and visualize force vectors in Java with jMonkey

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
- Wrote 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 Wing Tam Award (HMC Computer Science Dept.), Best Project of Year

Wake Me When
 Designed an app that is an alarm clock based on a user's distance from a set location
- Implemented an Android application using Google Maps API and native alarm clock functionality

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