(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: 3.0

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

COURSEWORK

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

SKILLS

Programming: Java, C++, Python, Racket, Prolog, MATLAB, C, Objective-C, x86 Assembly
Markup: HTML/CSS, LaTeX
Tools: Git, Subversion, Unix/Command Line, Xcode, Eclipse, Mathematica
Software Development: Agile methods, User Testing, MVC framework

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

Wake Me When   Fall 2014-Present
 Designed an app that is an alarm clock based on a user's distance from a set location
  • Implementing an Android application using Google Maps API and native alarm clock functionality

Pipe Dream   Fall 2014-Present
 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

Sudoku   Fall 2014
 Designed an iOS compatible software architecture for the game of Sudoku
  • Implemented and tested game in Objective-C as iPad application

RESEARCH EXPERIENCE

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*

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

Java & Scratch Programming Instructor, iD Tech Summer Camps   Summer 2014
  • Developed lesson plans and taught introductory programming to middle school students

Computer Science Grader & Tutor, HMC   Fall 2013 -Present
  • Held tutoring hours for students and graded homeworks

LEADERSHIP ACM-W Officer (local chapter) | Dorm Social Representative | Blood Drive Coordinator

Other interests Chemistry | Linguistics | Cross-Country Running | Gymnastics | Springboard Diving