JEAN SUNG

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EDUCATION

Harvey Mudd College (HMC), Claremont, CA
B.S. Computer Science - Major GPA: 3.0   Expected May 2016

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

COURSEWORK

Software Development │ Domain Specific Languages │ Programming Practicum │ Image Processing
Data Structures & Program Development │ Linear Algebra & Differential Equations II │ Multivariable Calculus

SKILLS

Programming: C++, Java, Python, Racket, Prolog, MATLAB, C, x86 Assembly
Markup: HTML/CSS, LaTeX
Tools: Git, Subversion, Unix/Command Line
iOS Development: Objective-C, MVC framework, Cocoa Touch Framework, Cocos 2D

PROJECTS

Wake Me When   Fall 2014-Present
  Designed an app that is an alarm clock based on a user's distance from a set location
   ● (Currently) Implementing an Android application using Google Maps API and native alarm clock functionality
Piconot   Fall 2014
  Wrote a langauge that improved the user experience of a state specification game (Picobot)
   ● Implemented as an Internal Domain Specific Language in Scala
Sudoku   Fall 2014
  Designed an iOS compatible software architecture for the game of Sudoku
   ● Implemented and tested game in Objective-C as iPad application
LaTeX Resume Template   Summer 2014
  Designed a template TeX File to be used in generating resumes

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 simulation 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
   ● Worked with iOS and the Model-View-Controller (MVC) framework
   ● Primary app: HammyCoaster, free on the iTunes Store

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 staff one hour of 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