

# JEAN SUNG

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## EDUCATION

Harvey Mudd College, 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  
Computer Systems | Discrete Mathematics | Data Structures/Program Development | Image Processing  
Linear Algebra | Differential Equations | Multivariable Calculus | Physical Chemistry

**AWARDS & HONORS** Harvey S. Mudd Merit Award (Scholarship) | Dean's List  
Superior Academic Performance | Commendation Letter, Department of Chemistry

## 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

Fall 2014

**Wake Me When** | Designed an app that is an alarm clock based on a device's distance from a set location

- (Currently) Implementing an Android application that ties together Google Maps API and native alarm clock functionality

**Piconot** | Wrote a language that improved the readability of the syntax of Picobot, a language that specifies a robot's state through rules about its movements and surroundings

- Implemented as an Internal Domain Specific Language in Scala

**Sudoku** | Designed an iOS compatible software architecture for the game of Sudoku

- Implemented and tested game in Objective-C as iPad application

**LaTeX Resume Template** | Designed a template Tex File to be used in generating resumes

## RESEARCH EXPERIENCE

Department of Computer Science, Harvey Mudd College, Claremont CA

Summer 2014

- Applied a programming language approach to making software tools more extensible and reusable by domain experts

- Created a physics simulation to help students draw and visualize force vectors in Java with jMonkey

Department of Computer Science, Harvey Mudd College, Claremont CA

Summer 2013

- Helped develop and publish educational iPad games for middle school students
- Worked with iOS and the Model-View-Controller (MVC) framework
- Primary game: HammyCoaster, free on the iTunes Store

## ADDITIONAL EXPERIENCE

Assistant, Office of Institutional Diversity, Claremont, CA

Fall 2014 -Present

- Initiated and implemented office task automation projects, including revamping the RSVP system with Google Apps

- Helped plan events that promoted awareness of social justice issues

Programming Instructor, iD Tech Summer Camps, Seattle, WA

Summer 2014

- Developed lesson plans for Scratch and Java classes
- Taught introductory programming to middle school students

Tutor and Grader, Computer Science Department, Claremont, CA

Fall 2013 -Present

- Assisted in introductory and upper level courses
- Held tutoring hours for students and graded homeworks

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