

# 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

Fall 2014

**Wake Me When** | Designed an app that is an alarm clock based on a user'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 user experience of a state specification game (Picobot)

- 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

**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