

# JEAN SUNG

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## EDUCATION

Harvey Mudd College (HMC), Claremont, CA  
B.S. Computer Science - Major GPA: 3.5

**Expected May 2016**

## SELECTED COURSEWORK

Advanced Algorithms | Domain Specific Languages | Software Development | Data Structures  
Interaction Design | Artificial Intelligence | Digital Electronics & Computer Engineering  
Linear Algebra & Differential Equations | Image Processing | Public Speaking | Discrete Mathematics

## SKILLS

*Languages:* Python, Java, C++, MATLAB, C, Objective-C, Go, L<sup>A</sup>T<sub>E</sub>X

*Tools:* Git, SVN, Unix/Command Line, Xcode, Eclipse

*Software Development:* Agile methods, User Testing, MVC framework, TDD

## EXPERIENCE

**Software Engineer**, Facebook, Seattle, WA

**Starting Aug. 2016**

**Algorithms Researcher**, HMC

**May 2016 - Aug. 2016**

**Project Manager**, Laserfiche-HMC Clinic

**Sept. 2015 - May 2016**

- Building a data warehouse system to handle flexible unstructured data
- Developing trend analysis algorithms to work across different types of data
- Responsible for maintaining scope of project as project manager (Fall Semester)

**Software Engineering Intern for Personalization Team**, zulily, Seattle WA

**May 2015 - Aug. 2015**

- Conducted feasibility research on a price prediction model that resulted in saved company resources
- Designed, implemented, tracked results for several experiments involving novel ways of arranging the site

## PROJECTS

**Model Driving Creation** (<https://github.com/jeansung/DSLResearch>)

**Jan. 2016 - May 2016**

- Creating an application to embed simple math models in text documents with an interactive component
- Wrote a wrapper for Tangle JS library to increase usability by non programmers

**Sum Plus Plus** (<http://jeansung.github.io/SumPlusPlus/>)

**Sept. 2014 - Dec. 2014**

- Created a domain specific language to more cleanly express weighed sums with custom constraints
- Designed a translation suite for English rules to Excel formulas

**Pipe Dream!** (<https://itunes.apple.com/us/app/pipe-dream!/id947630499>)

**Sept. 2014 - Dec. 2014**

- 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 Computer Science Dept. Wing Tam Award for Best Software Development Project

## EXTRACURRICULARS

Girls Who Code Lead Instructor | Algorithms Grader & Tutor | Rock Climbing | Gymnastics | Hiking