JEAN SUNG

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EDUCATION

Harvey Mudd College (HMC), Claremont, CA   Expected May 2016
B.S. Computer Science - Major GPA: 3.5

COURSEWORK

Interaction Design | Public Speaking | Advanced Algorithms | Artificial Intelligence | Domain Specific Languages
Data Structures | Digital Electronics & Comp. Engineering | Image Processing | Linear Algebra & Diff. Eqs. II

SKILLS

Languages: Python, Java, C++, MATLAB, C, Objective-C, Go, LaTeX
Tools: Git, SVN, Unix/Command Line, Xcode, Eclipse
Software Development: Agile methods, User Testing, MVC framework

EXPERIENCE

Software Engineer, Facebook, Seattle, WA   August 2016
Project Manager for Real-Time Data Analysis System, Laserfiche-HMC Clinic   Fall 2015-Present
- 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 and Relevancy Team, zulily, Seattle WA   Summer 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

Educational iPad App Developer, HMC   Summer 2013
- Re-factored, added new features to, and published educational iPad apps for middle school students
- Primary game, Hammy Coaster available at `https://itunes.apple.com/app/hammycoaster/id674765438`
- Presented work at the *Celebration of Women in Computing in Southern California Conference*

PROJECTS

Sum Plus Plus (`http://jeansung.github.io/SumPlusPlus/`)   Fall 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`)   Fall 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 Department Wing Tam Award for Best Software Development Project

ADDITIONAL EXPERIENCE

Volunteer Lead Instructor for Girls Who Code   Fall 2014 -Present
- Preparing and teaching weekly lessons on CS fundamentals for 20 middle school students

Head Computer Science Grader and Tutor, HMC   Fall 2013 -Present
Intern for Office of Institutional Diversity, HMC   Fall 2014 -Spring 2015
- 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 and Scratch Programming Instructor, iD Tech Summer Camps   Summer 2014
- Developed lesson plans and taught introductory programming to middle school students

ACTIVITIES

Red Cross Campus Blood Drive Coordinator | W-ACM Chapter Campus Representative | Dorm Social Representative