Y. DOROTHY JUNG

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EDUCATION

University of California, Berkeley   Expected Graduation: May 2015
B.A. Computer Science, B.A. French with Honors   GPA: **3.723**

Relevant Coursework -- Computer Graphics, Algorithms, Computer Networking, Data Structures, Computer Architecture, Discrete Mathematics and Probability, Digital Electronics, Linear Algebra, Differential Equations

EXPERIENCE

DreamWorks Animation | *R&D Intern*   Redwood City, CA
- Integrated GCC 4.8 and ICC 14.1 compilers into the studio development environment by refactoring and optimizing performance of existing proprietary rendering software. (C++)   01/2014 – 6/2014
- Wrote a testing application to check for inconsistencies across ~250 packages of proprietary graphics software and 3rd-party extensions for Maya, Houdini, and Nuke. (Python)
- Communicated with Technical Directors and other developers to provide technical support for artists, lighters, and renderers.

Mirixa Corporation | *Engineering Intern*   Emeryville, CA
- Built an automated testing framework for the front-end development team. (JavaScript)   09/2013-11/2013
- Wrote scripts to test the functionality and design of the product interface.
- Communicated with full-time developers and clients to troubleshoot product bugs.

PROJECTS

Brainability (Illustrator, Photoshop, Java)
Designed an Android application to measure user productivity on a task using data obtained from a portable EEG. Made use of Emotiv Insight SDK. Won the *Judges' Choice Award* at a hackathon hosted by Emotiv/Pivotal Labs.

Breadth-first Search using MapReduce (Java)
Implemented a search algorithm for a large data set (~1 million entries) using Hadoop on Amazon EC2 servers.

QuadTree API (Java)
Built an API for a data structure used in the implementation of a spatial database.

Twitter Visualization (Python)
Characterized trends across tweets by parsing and classifying tweets using a naïve Bayes algorithm. Displayed results as an image generated with PyQT.

SKILLS

Programming	Python, C, C++, Java, OpenGL, Eclipse IDE, Bash shell scripting, git
Web Development	HTML5, CSS3, JavaScript
Design	PhotoShop, Illustrator, Wire Framing, Prototyping
Languages	French (fluent), Korean (working proficiency)

LEADERSHIP AND ACTIVITIES

Institute of Electrical and Electronics Engineers | *Publicity Director*   2013 – Present
Organize the bi-annual UC Berkeley Startup Fair by coordinating with recruiters and publicizing the event to the engineering community. Create flyers and pamphlets in Illustrator for industry infosessions and tech talks.

UC Berkeley French Department | *French Tutor*   2012 – Present
Google Women Techmakers Conference | *Attendee*   2014
EYH Conference for Girls in STEM | *Mentor*   2013