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, 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++) Jan 2014 – Jun 2014
- Wrote a testing application to check for inconsistencies across ~250 packages of studio software and third-party extensions for Maya, Houdini, and Nuke. (Python)
- Communicated with Technical Directors and other developers to provide technical support on *How to Train Your Dragon 2*, *Penguins of Madagascar* (coming Nov 2014), *Home* (coming Mar 2015) and *B.O.O.* (coming Jun 2015)

Mirixa Corporation | *Engineering Intern* Emeryville, CA
- Built an automated testing framework for the front-end development team. (JavaScript) Sept 2013 – Nov 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 data 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
Human Languages French (fluent), Korean (working proficiency)

LEADERSHIP AND ACTIVITIES

Institute of Electrical and Electronics Engineers (IEEE) | *Officer* 2013 – Present
Organize the bi-annual UC Berkeley Startup Fair. Create flyers and pamphlets in Illustrator.

UC Berkeley French Department | *French Tutor* 2012 – Present

Google Women Techmakers Conference | *Attendee* 2014

EYH Conference for Girls in STEM | *Mentor* 2013