Y. DOROTHY JUNG

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EDUCATION

University of California, Berkeley 08/2010 – Present
B.A. Computer Science, B.A. French with Honors; graduating 12/2014 GPA: **3.71**

Relevant Coursework -- Structure and Interpretation of Computer Programs, Data Structures, Object-Oriented Programming, Machine Structures, Computer Architecture, Digital Electronics, Discrete Mathematics and Probability, Linear Algebra and Differential Equations, Vector Calculus

EXPERIENCE

R&D Intern, **DreamWorks Animation**
Redwood City, CA
01/2014 – Present
- Work with Technical Directors and other developers in support of proprietary and 3rd-party graphics software in a RedHat Linux environment
- Run nightly builds of proprietary software using Bamboo, SCons, and continuous integration tools for GCC and ICC compilers
- Write extensive automated scripts in Python to test proprietary graphics software
- Provide technical support in the form of bug fixes and performance optimization to production pipeline

Software Engineering Intern, **Mirixa Corporation**
Emeryville, CA
09/2013 – 12/2013
- Wrote tests for edge cases in the development of medication therapy management SaaS used by pharmacies, patients, and healthcare providers
- Built automated testing applications in JavaScript for the front-end and back-end teams
- Communicated with full-time developers and clients to troubleshoot product bugs

PROJECTS

- Implemented a breadth-first search algorithm for a large data set (~1 million entries) using MapReduce and Hadoop on Amazon EC2 servers (Java)
- Built an API for a QuadTree data structure used in the implementation of a spatial database (Java)
- Created a visualization of Twitter data across the USA by parsing tweets and measuring trends (Python)
- Created an instruction interpreter for a subset of MIPS (C)

SKILLS

Programming **–** Python, C/C++, Java, OpenMP, Eclipse IDE, git

Environments **–** Unix, Bash shell scripting, Windows, Mac OS X

Web Development **–** HTML5, CSS3, JavaScript, XML

Languages **–** French (fluent), Korean (working proficiency)

LEADERSHIP

IEEE Committee Director, UC Berkeley Chapter 01/2013 – Present
French Tutor, Department of French, Berkeley, CA 01/2012 – 12/2013
Youth Mentor for Girls in STEM, Expanding Your Horizons, Berkeley, CA 01/2013 – 05/2013