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| **Y. DOROTHY JUNG** | github.com/dorothyjung |
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| (408) 992-1535 |

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| **EDUCATION** |

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| **University of California, Berkeley**  B.A. Computer Science, B.A. French with Honors | Expected Graduation: May 2015  GPA: **3.723** |
| **Relevant Coursework --**  Computer Graphics, Algorithms, Computer Networking, Data Structures, Computer Architecture, Discrete Mathematics and Probability, Digital Electronics, Linear Algebra, Differential Equations | |

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| **EXPERIENCE** |

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| **DreamWorks Animation |** *R&D Intern*   * 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++) * 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. | Redwood City, CA  01/2014 – 6/2014 |
| **Mirixa Corporation |** *Engineering Intern*   * Built an automated testing framework for the front-end development team. (JavaScript) * Wrote scripts to test the functionality and design of the product interface. * Communicated with full-time developers and clients to troubleshoot product bugs. | Emeryville, CA  09/2013-11/2013 |

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| **PROJECTS** |

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| [**Brainability**](https://github.com/dorothyjung/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. |

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| **SKILLS** |

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| *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) |

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| **LEADERSHIP AND ACTIVITIES ACTIVITIES & AWARDS** |

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| **Institute of Electrical and Electronics Engineers |** *Publicity Director*  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. | 2013 – Present |
| **UC Berkeley French Department |** *French Tutor* | 2012 – Present |
| **Google Women Techmakers Conference |** *Attendee* | 2014 |
| **EYH Conference for Girls in STEM *|*** *Mentor* | 2013 |