Jerry Lung

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University of California, Berkeley **Technical GPA:** 3.43
B.A. Computer Science, May 2015 **Overall GPA:** 3.25

EXPERIENCE

NICE Systems | *Software Engineering Intern* June 2014 – August 2014

- Boosted team's workflow by developing tools and automating web-scrapers (**Java, Python, Bash**)
- Optimized end-user friendliness and code maintainability in designing the robust software applications
- Adapted to an **Agile test-driven** environment and industry technologies such as **Jenkins**, **Splunk**, etc.

UC Berkeley EECS | *CS 61C, 162 Course Reader, CS 61B Lab Asst.* August 2013 – Present

- Developed skills in understanding others' code through debugging C code in a class of 500 students
- Improved students' learning of MapReduce, architecture, data structures, algorithms, complexity
- Facilitated a lab-intensive hands-on version of Data Structures and Algorithms course of 30 students

Berkeley Engineers and Mentors | *Webmaster, Curriculum, Site Leader* September 2012-Present

- Designed **http://beam.berkeley.edu** to be more informative and visually engaging
- Fostered interest in science in elementary students through designing, testing and teaching hands-on, engaging science demonstrations and lessons

PROJECTS

Music Machine (HackJam 2014) - **musicmachine.herokuapp.com**

Web application for users to quickly query and download music (**Express.js, Node.js, MongoDB**)

Operating Systems & Distributed Computing

Implemented concurrency, multiprogramming, and system calls in OS and Two-Phase Commit logic in a Distributed Key-Value Store for database reliability (**Java**)

Walk (HackJam 2013) - **omotwalk.appspot.com**

Implemented the front end avatar animations for online multiplayer chat world (**JS, JQuery**)

Pac-Man Search

Solved Pac-Man board state puzzles efficiently by implementing AI search algorithms such as DFS, BFS, Dijkstra's, A* Search, Minimax, Expectimax, α-β pruning, Bayes Nets (**Python**)

TECHNICAL

Languages Java, Python, C, JavaScript, UNIX, Bash, HTML/CSS, C++, Git, Node.js

Programs Eclipse IDE, Adobe Premiere, Adobe Photoshop, Final Cut Pro, Audacity Sound, Android Dev

Upper Level Coursework Operating Systems, Computer Security, Graphics, Communication Networking, Artificial Intelligence, Computer Architecture, Algorithms & Intractable Problems

GitHub http://github.com/jzlung **LinkedIn** www.linkedin.com/in/jerrylung