

Jerry Lung

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2540 College Ave. Apt #103
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University of California, Berkeley
B.A. Computer Science, May 2015

Technical GPA: 3.43
Overall GPA: 3.25

EXPERIENCE

NICE Systems | *Software Engineering Intern*

June 2014 – August 2014

- Boosted team's workflow by writing development tools and automating web-scrappers to verify daily build information (**Java Swing, Python, Bash**)
- Devised robust and end-user friendly software applications for both customers and developers
- 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

- Interpreted and debugged C code, improving my skills in understanding other people's work
- Communicated instructional feedback to 500 students and teaching staff at meetings
- Explained concepts of MapReduce, computer 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**)

Distributed Computing

Implemented an Operating System and Distributed Key-Value Store with Two-Phase Commit (**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**)

Firewall

Built an in-VM **Python** firewall that blocked access to websites based on DNS, IP, TCP criteria.

TECHNICAL

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

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

Coursework (Applications): Operating Systems, Security, Graphics, Communication Networking, Artificial Intelligence, Computer Architecture, Data Structures, Digital Electronics & Circuits

Coursework (Theory): Discrete Mathematics & Probability Theory, Algorithms & Intractable Problems

GitHub <http://github.com/jzlung>

LinkedIn www.linkedin.com/in/jerrylung