

Jasper Louie

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Work Experience

- Software Engineering Intern*, Apple Inc. -- Cupertino, CA June 2015 -- August 2015
- Developed scalable test automations that simulated UI and shell input and analyzed logs on mobile devices
 - Ran automations on large clusters of devices and conducted failure analysis on the resulting data
 - Developed Python tools that verified online assets and cross referenced them with database
- Data Curator*, Kite Inc. – San Francisco, CA August 2015 -- Present
- Curate code examples in Python for common use cases and popular libraries
 - Employ web scraping tools and conduct research to generate useful examples that are featured in product
- QA Engineering Intern*, Roku Inc. -- Saratoga, CA June 2014 -- August 2014
- Ran automation scripts and quality assurance tests to identify bugs on new software versions
 - Wrote comprehensive reports on software problems, including reproduction and suspected causes, and filed them using TestRail and Bugzilla as bug reporting platforms
 - Worked with engineers to debug and analyze problems
- Software Engineering Intern*, Cloudbian Inc. -- Foster City, CA July 2013 -- August 2013
- Created a Java application for text manifest creation required for installation, as well as other utilities
 - Performed benchmarking of cloud storage product using YCSB (Yahoo! Cloud Service Benchmark)
 - Tested new versions of the product by installing it on local and Amazon S3 servers, testing stability in various configurations and topologies

Education

University of California, Berkeley, *College of Letters and Science*, Berkeley, CA
Class of 2017, Pursuing a Double Major Bachelor's Degree in Computer Science/Cognitive Science
Overall GPA: 3.46 / Computer Science GPA: 3.55

Relevant Coursework

- Artificial Intelligence and Machine Learning
- Databases
- Big Data Analysis
- Data Structures and Algorithms (Upper Division Level Understanding)
- Discrete Mathematics, Linear Algebra, Probability Theory
- Machine Architecture and Operating Systems

Skills

Languages/Tools: Python, Java, Apache Spark, C, C++, Unix, Git, HTML/CSS, SQL, Javascript, Web Scraping Tools

Have an understanding of: Object Oriented Programming, Data Structures, Distributed Computing, Artificial Intelligence, Discrete Mathematics and Probability, Human Computer Interaction, Automation

Additional Experience

Visit my website to see some of my projects: www.ocf.berkeley.edu/~louiej/

- Lab Assistant* for CS61B: Data Structures and Algorithms 2014 - 2015
- Assist with preparation of materials such as homework and lab assignments for the class
 - Attend labs and hold office hours every week to instruct students and answer their questions
- Senior Mentor* for Computer Science Mentors 2015 - Present
- Instruct students who need help with Data Structures and Algorithms on a weekly basis
 - Help develop the curriculum that we teach to our students
 - Act as a mentor to Junior Mentors who teach their own students
- Member of Hackers @ Berkeley* 2013 – Present
- Recipient of Cal Leadership Scholarship* for demonstrating exemplary leadership 2013 - 2014