JADE HUA

2435 College Ave, Apt 5, Berkeley CA, 94704
Phone: (650) 862-8128 **Email:** jadehua@berkeley.edu **Github:** github.com/jadelyn **Website:** jadelyn.github.io

EDUCATION

University of California, Berkeley, **B.S Electrical Engineering and Computer Science**
<u>Awards</u>: Regents' and Chancellor's Scholarship, **Expected Graduation Date:** *May 2016*

Relevant Coursework

Structure and Interpretation of Computer Programs	Data Structures and Algorithmic Analysis
Great Ideas in Computer Architecture	Introduction to Artificial Intelligence
Discrete Mathematics and Probability	Efficient Algorithms and Intractable Problems*
Introduction to the Internet: Architecture and Protocols*	Computer Security*

PROFESSIONAL EXPERIENCE

IBM, Software Developer Intern   *Columbus, OH* **May-Aug '14**
- Developed a modernized Connect:Direct web console through IBM'S JAVA 10x User Interface framework
- Leveraged Connect:Direct REST APIs to link back-end server queries to user interface
- Implemented iterative testing through JUnit tests and written test scripts for individual modules

UC Berkeley Graduate Assembly, Administrative Assistant-IT   *Berkeley, CA* **June '13-May '14**
- Lead developer and administrator of UC Berkeley's Graduate Assembly's website
- In charge of all Information Technology in Graduate Assembly's business office
- Worked on various web projects: *The Berkeley Graduate* online blog, ASUC's *Perspectives* Showcase website

UC Berkeley Robotic Learning Lab, Undergraduate Student Researcher   *Berkeley, CA* **June '12-Aug '12**
- Student researcher under EECS Professor Pieter Abbeel
- Built student web application to model Bayesian Networks used in CS188 (Introduction to Artificial Intelligence)
- Gave Robotic Learning Lab tours demonstrating PR2 robots to visiting student groups

PROGRAMMING PROJECTS

ASUC Perspectives Website | XHTML, Bootstrap, jQuery   **April '14**
 perspectives.asuc.org
- Developed and designed website for ASUC's Perspectives Showcase for promotion purposes

Digit Recognition | C/MIPS   **March-April '14**
- Implemented digit recognition by comparing images to 8-bit templates
- Algorithm takes into consideration various rotations and translations of the images at hand
- Parallelized code with Intel's SSE, parallel threads, and loop unrolling

Hadoop Map Reduce | JAVA   **Feb-March '14**
- Implemented multi-threaded version of the minimax algorithm with Hadoop on Amazon EC2 servers
- Designed algorithm to solve for the most efficient solution to a game of Connect Four

Twitter Trends | Python   **Sep**-**Oct'12**
- Developed algorithm that displays geographic visualization of Twitter data
- Algorithm grouped tweets and analyzed sentiments over 24 hour periods

Modeling Bayesian Networks Application | JavaScript   **July-Aug '14**
- Developed application that allows for user creation of nodes and edges to represent various Bayesian Networks
- Coded computations of variable elimination, inference by enumeration, and d-separation

 SKILLS: Java (4+ yrs), **Python** (2+ yrs), **C** (1 yr), **HTML5**, **CSS**, **JavaScript**, **jQuery** (2+ yrs)
 Git, Eclipse, Agile Development, Adobe Photoshop