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## Education

### University of California, Berkeley

Bachelor of Science, Electrical Engineering and Computer Science

expected Fall 2015

GPA: 3.206

## Related Coursework

### University of California, Berkeley

- The Structure and Interpretation of Computer Programs Fall 2012
- Data Structures Spring 2013
- Machine Structures Spring 2014
  - Projects - MapReduce on Amazon EC2 servers, Processor design in Logisim
- Discrete Mathematics and Probability Theory Spring 2014
- Efficient Algorithms and Intractable Problems Fall 2014
- Computer Graphics Fall 2014
  - Projects - Ray tracer, Bezier subdivision, Inverse kinematics
- Computer Security Fall 2014
  - Projects: Rainbow table and SSL handshake implementations
- Programming Languages and Compilers Spring 2015
- Artificial Intelligence Spring 2015
- Software Engineering Spring 2015
  - Projects - Worked with a client to develop an online newsroom for at-risk youth
- Operating Systems and System Programming Fall 2015
  - Projects - Operating system threading, process execution, and filesystem implementations
- Internet Architecture and Protocols Fall 2015
- Introduction to Machine Learning Fall 2015

## Experience

### Currenex - Software Developer Intern, Redwood City, CA

Summer & Fall 2015

- Technologies involved: Java, Javascript, D3
- Developed a D3 visualization of the relationships between state objects fetched from a database
- Working on improving a testing framework for an ongoing project using Google Guice

## Skills and Activities

### Technologies

Programming and Markup

- Proficient in: C, C++, Java, Python, JavaScript
- Some experience: HTML, CSS, LaTeX, MIPS, Ruby
- Familiarity with: MATLAB, x86

Software

- Modeling: AutoCAD for 2D engineering drawings, Rhinoceros for a 3D model of a case study house
- Processor design: Used Logism to simulate digital logic circuits
- Circuit design: Used Multisim for circuit design and analysis in building an EEG

### Academic

- PREP: Pre-engineering program, intensive preparation for calculus and physics Fall 2012
- Lab assistant for CS 61A, UCB's introductory computer science course Summer 2014
- Designing a web interface for research and development group GamesCrafters Spring 2015

### Personal

- Personal website - jting.me | Mirror if down: vigenere36.bitbucket.org
- 6 years experience in various martial arts including Karate, Taekwondo, and Wushu
- 5 years experience in practicing piano, currently self-learning