Courtney Vu

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Education:

University of California, Berkeley | Berkeley, CA | Expected: Aug 2014 - May 2018
Major: Computer Science
Technical GPA: 3.86

Relevant Coursework:

Efficient Algorithms and Intractable Problems	Machine Structures
User Interfaces and Design	Data Structures
Discrete Math and Probability Theory	Artificial Intelligence

Work Experience:

Software Engineering Intern, Google | May 2016 - Aug 2016
- Iteratively design and implement a feature to optimize performance for Google Drive backend
- Improve querying infrastructure in Drive to allow users to quickly locate relevant documents
- Contribute to product design decisions for new product launch targeting enterprise customers

Undergraduate Student Instructor, Discrete Math + Probability Theory | Jan 2016 - Present
- Lead discussion sections of 40-60 people to supplement lecture material, hold weekly office hours
- Create worksheets and homework/exam problems, answer student questions on online forum

Reader & Tutor, Discrete Math + Probability Theory | Aug 2015 - Dec 2015
- Led tutoring sessions and office hours to guide students on weekly problem sets

Projects:

ElectMe [Java, XML for Android] | March 2016
- Smartphone-smartwatch application that uses location data and APIs to display 2012 vote statistics, Congressional involvements, and social media for relevant legislators (focus on user-first design)

MapReduce: PageRank [Python Spark] | Nov 2015
- Calculates relative popularities of webpages using graph model with sites as nodes, links as edges
- Factors in probabilities of users staying on pages, returning to previous pages, or following links

Autocomplete/Alphabetizer [Java] | May 2015
- Alphabetically sorts words in input files given a customizable alphabet using tries
- Finds top matches for word prefixes in data using ternary search tries and priority queues

Skills:

Python	C	HTML/CSS/XML
Java	Latex	Git

Leadership:

Chief of Online Resources, ASUC Office of Senator Helen Yuan | May 2016 - Present
- Lead team of 5 committee members, spearhead projects to obtain and market resources for students

Officer, Upsilon Pi Epsilon, the Computer Science Honors Society | May 2015 - Dec 2015
- Contributed to organizing networking, social, and professional development events

Honors:

UC Berkeley College of Letters and Science Dean's Honors List | Fall 2015
Member, Upsilon Pi Epsilon, the Computer Science Honors Society | Jan 2015 - Present