JASPREET SINGH

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Education

University of California, Berkeley   Class of 2015

B.S in Electrical Engineering and Computer Science

Relevant Coursework: Software Engineering, Networks, Artificial Intelligence, Algorithms, Computer Architecture, Data Structure, Structure and Interpretation of Computer Programs

Experience

Data Engineering Intern at Yellow Pages   June – August 2014

- Designed and implemented a local business search tool in Java that ingested a wide range of data (from multiple APIs and a custom Google Search Engine) to provide updated business data to other YP applications
- Distributed the cloud deployment of the above application across multiple machines and leveraged Digital Ocean's API to create a Java Servlet that provided load balancing and administration capabilities to the system
- Implemented a custom map-reduce job and corresponding shell script that efficiently transfered data stored in a cluster running Hive to a different cluster running Hbase
- Participated and won an internal Hackathon where I helped develop an android application (Tinder for Food)

Technology Operations Intern at Practice Fusion   June - August 2012, June – July 2013

- Assisted in on-boarding new employees by imaging laptops and providing informal training on IT policy
- Implemented an asset tracking system utilizing QR codes to assist in maintaining records of company assets
- Provided general desktop support for multiple operating systems including Windows 7 and Max OS X

Academic Lab Assistant at UC Berkeley   August 2013 – May 2014

- Facilitated discussion and learning in the lab portions of introductory CS courses at UC Berkeley

Projects

Study Buddies (Android Application)

- Developing a mobile application for students to connect with others in the same course and facilitate study meetings in an easy way. Using Parse as a backend solution and Google Maps API for data purposes

Meal Plan (Rails/Java)

- Created a web application for Cal students to plan their meals at dining commons
- Developed a backend API in Java that served dining commons menu data in JSON that was then ingested by a Rails application to display nutritional info on menu items to the app user

Leadership

Undergraduate Marketing Association

Internal Vice President, Design Committee Member   January 2012 – December 2012

- Consulted for local businesses in Berkeley, provided technological solutions such as custom QR codes
- Organized team-building events such as a scavenger hunt in San Francisco

Technical Profile

- Proficiency: Java, Ruby, Rails, HTML, CSS (Bootstrap)
- Experience in: Javascript (jQuery, AngularJS, NodeJS), Android (native and hybrid using Ionic), Hadoop (Hive, Hbase, writing custom map reduce jobs), Python, C, MIPS