BONGHYUN KIM

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Education

University of California, Berkeley   *August 2010 – May 2014*
Bachelors of the Arts in Computer Science
Bachelors of the Arts in Statistics
GPA – 3.3 / 4.0

California High School   *August 2006 – May 2010*
SAT Score – 2350   Weighted GPA – 4.5 / 5.0

Technical Experience

UC Berkeley URAP, Data Analyst   *August 2012 – Present*
- Analyzed the effectiveness of Brazil's incentive program in order to reduce the number of tax evasions in local businesses
- Simulated stratified random sampling with SQLite3 and Ruby
- Performed Big Data analysis using Hadoop's MapReduce and R.

Yale Law University, Programmer / Research Assistant   *May 2012 – August 2012*
- Directed the programing aspect of research process exploring recidivism in drunk driving in relationship with severity of sentencing
- Programmed extensive R-based applications to collect, process, and analyze data

UC Berkeley, Lab Assistant for CS61B and Stat 133   August *2012 – December 2012*
- Helped 60+ students in gaining experience in Java, data structures [CS61B], R, and SQL [Stat 133]

UC Berkeley IST, Network Engineer   *January 2012 – May 2012*
- Replaced outdated Cisco Catalyst 2950 Switches with updated 2960 model, providing faster and more secure internet connection for the UC Berkeley campus
- Attained valuable experience in network engineering, shell scripting, and working efficiently in an large organization

Second Tech, QA Intern   *May 2011 – August 2011*
- Tested and improved the Second Tech's Java-based user interface utilizing JUnit testing framework

Select Projects

Shiffft [http://www.shiffft.com]
- Built a Ruby on Rails application that coordinates automatic assignment of event shifts for members of an organization
- Used widely by over 50+ organizations on campuses of UC Berkeley, UC Davis, and UCLA

Facebook Event Dispersal Simulator
- Implemented a Java application that simulates how Facebook Events are dispersed among student population of UC Berkeley
- Developed a probabilistic model of likelihood of event views with actual data from students of UC Berkeley

Tau Omega Pi Homepage [http:/www.berkeleytop.com]
- Designed a Ruby on Rails application with Reddit-like forum, login system, and extensive test bank

Omok [http://www.bonghyunkim.com/omok]
- Designed a traditional Korean board game using HTML5 and Javascript
- Created an AI that uses Alpha Beta Pruning algorithm to look at moves 3 turns ahead

Small World Experiment
- Computed the average path length for social networks utilizing Hadoop's MapReduce and Java

Blokus
- Created a Java-based application that depicts a popular board game, Blokus
- Developed an AI that utilizes Min-max algorithm with Alpha Beta Pruning to predict opponent's moves

Technical Skills

Programming Language
- Java. Ruby. SQL. R. C. HTML5. CSS3. Javascript. PHP. Python. Unix. Scheme.

Framework
- Ruby on Rails. Hadoop. Jquery. Bootstrap, Node.js. Coffeescript. SCSS.

Software
- Git. SVN. Photoshop. Excel. Dreamweaver.