Bonghyun Kim

bkim515@gmail.com ♦ 925-719-2327
2725 Haste Street. Apt #207 ♦ Berkeley, CA 94704
www.bonghyunkim.com

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, Data Analyst / Research Assistant
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 Engineering Assistant
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- Replaced outdated Cisco Catalyst 2950 Switches with updated 2960 model, providing faster and more secure internet connection for the UC Berkeley campus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. R. SQL. C. Ruby. Scheme. HTML5. CSS3. Javascript. PHP. Python. Unix.

Framework

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

Software

- Git. SVN. Photoshop. Excel. Dreamweaver.