

Min Gu (Min) Jo

(510) 365-4988 | mingu08@berkeley.edu
<http://mingujo.com> | GitHub : github.com/mingujo

EDUCATION

University of California, Berkeley

• **B.A. in Computer Science, Statistics, and Economics**

• Cumulative GPA : 3.412/4.0, Expected Graduation : December 2016

Relevant Coursework: Statistical Inference & Computing • Machine Learning • Statistical Data Science • Computer Architecture • Data Structures • Econometrics • Discrete Mathematics & Probability • Linear Modeling* • Artificial Intelligence* • Database Systems* (* Spring 2016)

SKILLS

Programming Languages

• JAVA, Python, R, C, MIPS Assembly (comfort level from most to least)

Software

• Git, Jupyter, Eclipse LaTeX

RESEARCH/PROJECT EXPERIENCE

- Fall 2015* **Detection of Activated Brain Regions Under Mixed Gamble Task (In-class Project)**
- Investigated the relationship between the brain activity and the behavior of the subjects towards the 50/50 gambling situations using a whole-brain robust regression analysis on Python
 - Pre-processed and analyzed fMRI image data to identify active regions of the participants' brains
- Fall 2015* **Kaggle Challenge: Titanic Disaster Survival Prediction**
- Developed machine learning ensemble models to predict the survival in Titanic disaster (80% accuracy when submitted)
- Fall 2015* **Kaggle Challenge: Bag of Words Meets Bags of Popcorn**
- Applied text analysis(NLP) methods of TFIDF vectorizer and Google's word2vec on IMDb movie reviews to perform sentiment analysis (96% accuracy | top 11th percentile when submitted)
- Spring 2013* **Probabilistic Modeling of Interactions on UC Berkeley Campus**
Prof. David Aldous: Undergraduate Research Group
- Designed an independent research topic and hypothesis to predict and visualized common routes of UCB undergraduates with different majors and their interactions on campus
 - Collected survey data from 130+ undergraduates across 5 different majors on MySQL database
 - Presented to 20+ undergraduates at the Statistics Undergraduate Research Poster Session
- Spring 2013* **Prediction of Kobe Bryant's Performance in His Next Game (In-class Project)**
- Scraped Kobe's seasonal data from *basketball-reference.com* and selected relevant predictors
 - Applied regression analysis and shrinkage methods to create statistical models for prediction and cross validated to evaluate the different machine learning models using R

PROFESSIONAL EXPERIENCE

- Fall 2013 - Spring 2015* **Ministry of National Defense of the Republic of Korea | Financial Management Corps**
Sergeant | Squad Leader | English Interpreter
- Seoul, Korea*
- Communicated with officers, NCOs, and personnel of the 176th Financial Management Support Unit at U.S Army Garrison to promote business/fellowship relations with Financial Management Corps
 - Translated U.S. Army financial tactics manual in wartime conditions to assist Korean officers in establishing financial support tactics for Korean military in wartime
- Summer 2011* **Ernst & Young**
Business Advisory Intern
- Seoul, Korea*
- Researched relevant data and created visuals for Samsung Card Enterprise CRM Process Innovation Project
 - Visualized click stream data on the web services using data analytical functions on Microsoft Excel
 - Presented to senior management the analysis and possible paths for future preparation of Korean Insurance firm cases by referring to the past cases

LEADERSHIP EXPERIENCE

- Spring 2012 - Spring 2013* **Ascend | Premier Accounting and Finance Organization**
Career Development & Social Committee Member
- Berkeley, CA*
- Organized large-scale professional events sponsored by the Big 4 for 400+ attendees, including case study competitions, networking series, office tour, and round-table discussions
 - Developed a series of career exploration events for 60+ Ascend members, allowing them to establish professional networks and enhance industry knowledge and organizational skills
- Awards:** Finalists, Northern California Ascend 2012 Student Case Competition (Fall 2012)