

# Min Gu Jo (Min)

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## EDUCATION

### University of California, Berkeley

- **Major** : B.A. in Computer Science, Statistics, and Economics
- Cumulative GPA : 3.4/4.0, Expected Graduation : December 2016

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

SKILLS	Programming Languages	Software
	• JAVA, Python, R, C, MIPS Assembly (comfort level from most to least)	• 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 176<sup>th</sup> 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)