Min Gu (Min) Jo

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http://mingujo.com | GitHub : github.com/mingujo

EDUCATION

University of California, Berkeley
- ***B.A. in Computer Science, Statistics, and Economics***
- Cumulative GPA : 3.42/4.00, Expected Graduation : December 2016

Relevant Coursework: Machine Learning • Software Engineering • Statistical Inference & Computing • Artificial Intelligence • Linear Modeling • Database • Computer Architecture • Computer Network*

SKILLS

Programming Languages
- Python, Java, R, SQL, Ruby, C

Framework, Library, Database, Platform
- Flask, Django, TensorFlow, Scikit-Learn, Keras, Heroku, AWS EC2 (boto), PostgreSQL

PROFESSIONAL EXPERIENCE

June 2016 - August 2016
Berkeley, CA

LeadGenius
Software Engineer Intern
- Deployed a Flask web app which automates labeling of B2B sales outreach email responses using a Recurrent Neural Network model with LSTM architecture built with Deep Learning lib, TensorFlow
- Built a Back-End system which automatically notifies clients of new positive outreach responses
- Implemented an automatic migration of all labeled email threads from Nylas to Postgres database
- Set up a Celery task scheduler which automatically launches and destroys a GPU-enabled AWS EC2 instance using Boto to retrain a model with new data weekly
- Predicted the open rate of outreach emails based on subject-line contents using multivariate linear regression

January 2016 - Present
Berkeley, CA

Berkeley Institute of Data Science | OskiLab
Undergraduate Researcher
- Work with a Ph.D. Student to explore a number of phenomena, including how consumers and producers understand and evaluate products in murky state-legal marijuana markets
- Use Keras (deep learning library for Theano) to detect article text bodies in Bon Appetit magazines
- Scraped user reviews on *weedmap.com* using web browser automation tool, Selenium
- Gauge the sentimental trends from user reviews using the Skip-Gram/Bag of Words model

RESEARCH/PROJECT EXPERIENCE

Spring 2016

Kaggle Challenge: Rossmann Drugstore Store Sales Prediction
- Used 3 different machine learning algorithms to forecast drugstore daily sales: multivariate linear regression, Random Forest regression, and Gradient Boosting with regression trees

Fall 2015

Detection of Activated Brain Regions Under Mixed Gamble Task (In-class Project)
- Investigated the relationship between brain activity and behavior of the subjects towards the 50/50 gambling situations using a whole-brain robust regression analysis
- Preprocessed and analyzed fMRI image voxels to identify active regions of the participants' brains

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)

Fall 2015

Kaggle Challenge: Titanic Disaster Survival Prediction
- Developed machine learning ensemble models to predict the survival in Titanic disaster (80% accuracy when submitted)

Spring 2013

Probabilistic Modeling of Interactions on UC Berkeley Campus
Prof. David Aldous: Undergraduate Research Group
- Designed an independent research topic to predict and visualize common routes of UC Berkeley 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 feature shrinkage methods to create statistical models for prediction and cross validated to evaluate the different machine learning models using R