Jung Yun (Josephine) Rhee

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EDUCATION

University of California, Berkeley — December 2017
Bachelor of Arts in Cognitive Science
Minor: Computer Science
Relevant Coursework: Data Structures and Programming Methodology, Data Science, Interactive Data Visualization, Artificial Intelligence, Efficient Algorithms and Intractable Problems, Computer Architecture

PROJECTS

Twitter Analysis: Twitter and Text (Python, NumPy, Pandas, Seaborn) — Fall 2017

- Filtered and analyzed tweets from the Twitter API by using regex, creating data frames in Pandas, and manipulating rows and columns to track trends, such as whether the president or his staff were tweeting based on the time of day and the message of the tweet
- Calculated the sentiment of a tweet using the VADER lexicon and created graphs comparing sentiments to time of year and source of tweets

Gitlet (Java) — Summer 2015

- Designed and developed from scratch a simpler version-control system that mimics the basic features of Git, such as add, commit, remove, checkout, branch, merge, reset, and log using Java's Serializable interface
- System saves/restores files and manipulates branches on the computer via the command line
- Tested using JUnit

Sliding blocks (Java) — Summer 2015

- Implemented a program to solve a puzzle board game using 2D ArrayList, HashSet, and other data structures given an initial tray with sliding blocks and the end goal configuration of blocks
- Created a heuristic algorithm to solve the game by prioritizing optimal paths based on possible puzzle positions through stacks and priority queues in order to minimize runtime and space

Yelp Maps (Python) — Spring 2015

- Used machine learning and Yelp's academic dataset to create a real-time visualization of restaurant ratings in Berkeley, CA
- Utilized k-means algorithm to group restaurants into clusters and suggest nearby restaurants
- Implemented a simple least-squares linear regression to predict user's future ratings for a business based on past user data

EXPERIENCE

UC Berkeley – CS61B (Data Structure) — Spring 2017
Academic Intern

- Explained concepts, such as OOP, hashing, sorts, trees, and graphs, and answered questions for 90+ students
- Reviewed examples presented during lectures/discussions and helped debug projects, labs, and homework

SKILLS

- Programming: Python, Java, HTML/CSS, C
- Miscellaneous: D3.js, Git, UNIX, CSV, JSON, XML, LaTeX, NumPy, Pandas, Seaborn
- Languages: English & Korean