Lawrence Jiang

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Education

University of California, Berkeley — Spring 2019

- Bachelor of Arts in Computer Science and Statistics Double Major, Junior
- GPA: 3.68
- Relevant Coursework
  - CS 189 Introduction to Machine Learning
  - EDAF 70 Applied Artificial Intelligence
  - CS 170 Efficient Algorithms and Intractable Problems
  - CS 162 Operating Systems and Systems Programming
  - CS 161 Computer Security
  - FMAN 85 Computer Vision
  - CS 61C Machine Structures
  - CS 61BL Data Structures and Programming Methodology
  - CS 61A The Structure and Interpretation of Computer Programs
  - STAT 135 Concepts of Statistics
  - STAT 134 Concepts of Probability
  - CS 70 Discrete Math and Probability Theory

Experience

Airbnb Software Engineering Intern — Summer 2018

- 12 week program as Software Engineer at Airbnb

CS 189 Introduction to Machine Learning Academic Intern — Fall 2017

- Created practice problems and worksheets, presented slides, and created lecture notes.
- Administered over 100 students at homework parties and office hours, going over concepts from lecture.

Xero Software Engineering Intern — Summer 2017

- Worked on DevOps team to improve the testing process for other engineers by building Docker containers that contained mock Xero services to allow quick in-depth testing without dependency issues. Coded in Ruby/Javascript

Projects

Nexa — Fall 2017

- Developed an Alexa skill on the Amazon Echo to call Nasdaq's API to give live updates on stock prices.
- Implemented a recommendation engine using a Tensorflow SVD model to recommend stocks with the collaborative filtering method. Won Best Use of Amazon Web Services at Cal Hacks 4.0. Coded in Python.

Spork — Summer 2017

- Used Yelp and Facebook API to develop a server that responded to messages through Facebook messenger with new restaurants in the area, hosted with Raspberry Pi, coded in Javascript.

Neural Net — Spring 2017

- Implemented a single hidden layer neural net using the tanh activation function and softmax output units. Derived the stochastic gradient descent equations for the weight matrices from tanh and softmax respectively.
- Achieved 90% accuracy on predicting MNIST dataset.

Awards/Competitions/Extracurricular Activities

Cal Hacks 4.0, 1st place for Best Use of Amazon Web Services — Fall 2017

- Used AWS Lambda to make API calls through speaking to Amazon Echo. 1st in AWS category out of over 200 projects.

Upsilon Pi Epsilon Computer Science Honor Society President — Fall 2017

- Invited for being within the top third of declared Computer Science majors in the College of Letters and Sciences. Designed initiation process for new candidates, managed an executive board of 20 officers and over 200 members.

Citadel Datathon — Spring 2017

- Competed against UC Berkeley teams to draw conclusions on Bart case using machine learning on Bart ridership data. Used linear regression to predict gentrification trends based off of Bart ridership. Manipulated data using Pandas.

Dean's Honor List — Spring 2016

- GPA within the top 4% of students in the College of Letters and Science, recognized for academic achievement.

Google Games — Spring 2016 & 2017

- Competed against UC Berkeley and Stanford teams to solve Google logic riddles, coding problems, and miscellaneous IQ related puzzles, worked with a team of four others to solve time constrained challenges.

Skills

- Programming Languages: Python, Java, Ruby/Extended Ruby, HTML, CSS, Git
- Software: OS X, Windows, IntelliJ, Microsoft Office, Google Docs and Spreadsheets, Garageband, Sibelius, iMovie