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TERRENCE HO

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EMPLOYMENT

Intern	Socos Labs, LLC	Summer 2016

Data Analysis
- Goal was to find a correlation between socio-economics, education, and life-outcomes.
- Wrote scripts to scrape data off various websites and preprocess the data for analysis
- Did preliminary data analysis using Sci-Kit Learn, MatPlotlib, and numpy.

EDUCATION

Los Angeles, CA	University of California, Los Angeles	Fall 2016 – May 2020

- B.S.E. in Computer Science Engineering.
- Undergraduate Coursework: Intro to Computer Science, Databases,
- High School Relevant Coursework: AP Computer Science.

TECHNICAL EXPERIENCE

Projects
- **PredictiBill (2017):** Built at LAHacks, PredictiBill is a machine learning model that takes in the text of a legislative bill, looks through Twitter to compile sentiment scores, and passes it thorugh a neural net to make a prediction. I worked on extracting keywords from the bill using Azure text analytics, data scraping and processing, and implementing the neural network with TensorFlow. Python.
- **SentiMedia (2017):** Built at LAHacks, SentiMedia is a website that takes a YouTube video and analyzes its comments for positivity/ negativity and returns a weighted score based on an internal natural language processing model. Created with flask in python, and learned how serving up webpages. Contributed to the creation of the NLTK sentiment analysis model, template design, and general python code. Python
- **Synaesthetic (2017):** A music visualizing website created with p5.js, d3.js, and WebGL. I learned p5.js for the design of the website and its objects. I also implemented a color-switching algorithm that is triggered with a high amount of base in the music. Javascript, HTML/CSS
- **Workout App (2016):** An Android app that makes your workout go smoother by telling you what your exercises are and waiting until you are done with each exercise before moving onto another exercise. I worked on many of the screens and activities, and implemented the voice control function. Android, Java
- **BruinUnits (2016):** [In Progress] Tool for students to calculate their chances of enrolling in a class at UCLA through a statistical model based on their enrollment time, major, and historical enrollment data. Future aim is to put together a web app for students to use. Python (Django), Javascript, HTML/CSS.
- **Meal Alert App (2016):** Created at a hackathon, app that scrapes UCLA dining menu and alerts you if the meal is featured in today's menu. Created front end design and helped create and debug the scraper. Android, Java.
- **Dataset Exploration (2016):** Personal project to expand my knowledge of data science from my Socos internship, by implementing linear regression and logistic regression, using Sci-Kit Learn's test datasets. Python.
- **Animated Web Graphics (2016):** Part of the UCLA Bruin Entrepreneurs Creative Labs Team. Learned how to create animated graphics with SVGs and incorporated this technology onto my personal website. Created an animated SVG using a library called vivus.js. Javascript, HTML/CSS, Adobe Illustrator

Other:
- **Coursera Machine Learning:** Self-learning basic machine learning through Andrew Ng's class with the goal of participating in Kaggle competitions and creating future projects with machine learning. Matlab, Python

ADDITIONAL EXPERIENCE AND AWARDS
- Hackathons: LaHacks(2017), HackTech(2017), Hack on the Hill 2 (2016), Hack on the Hill (2016),
- HP Code Wars (2016): Coding competition. Used Java to solve various challenges.

Languages and Technologies
- Python; C++; C; Java; HTML/CSS/JavaScript; Matlab;
- XCode; Sci-kit Learn; Bootstrap; jQuery; p5.js; Android;