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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
- **SentiMedia (2017):** SentiMedia is a website that takes a YouTube video and analyzes it's 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 it's 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
- **Javascript Hangman (2016):** Although the shell of this project was made by the ACM-Hack club as a teaching tool, I took the game and expanded upon it's functions, allowing the user the guess the word and having multiple different categories of words to choose from. Javascript/HTML/CSS.

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

- Hacktech (2017): Created SentiMedia website and began working with natural language processing.
- Hack on the Hill 2 (2016): Created Android workout app at a local hackathon
- Hack on the Hill (2016): Honorable mention for best hack for Meal Alert Android app at a local hackathon

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