Nathan Hutchison

16 Buggy Whip Dr, Rolling Hills CA, 90274
Phone: (310)-245-2433, E-Mail: nathanehutchison@gmail.com, Github: github.com/nahutch
I am a current graduate student getting my M.S. in Engineering Management from Santa Clara University (graduating 2019)

Work Experience

Joseph J. Albanese: ***Project Engineer Intern*** **June 2017-September 2017**

- Interpret and analyze quantities of construction work completed in the field to predict and prevent overruns on costs
- Primary liaison between field workers and management to ensure accurate knowledge of information between both parties
- Create estimates for future work to accurately predict costs on new contracts for various job sites
- Eliminated unnecessary spending by ensuring all work performed in the field is inside of original contract

Breakout Mentors: ***Mentor/Tutor*** **June 2017-Present**

- Provide one-on-one mentoring and teaching of Python, C++ and Java to students between age 8-17
- Provide a personal experience to mentor and teach kids to learn to love coding

Projects

SportCoach.AI Project **September 2018-Present**

- Designed and developed a startup involving bringing AI to basketball film analysis, and pitched the fully developed idea to VC partners
- Conferred with potential customers, including the Head of Innovation at the Golden State Warriors and Assistant Coach of Cal Basketball
- Currently developing a convolutional neural network using tensorflow and openCV to predict which player has the ball from footage

Fantasy Football Projections Project **September 2018-December 2018**

- Created and taught a Neural Network with tensorflow using supervised learning to predict a weekly fantasy football score for a player
- Pulled data from old games, transferred the relevant information, and used it to create a neural network to project an weekly score

Other Coding Work:

- Completed deep learning courses from Coursera (Deep learning, Structuring ML projects, Improving Deep NN)
- Created machine learning classification projects using Logistic regression, Discriminant analysis, and K-means clustering
- Created a graph class in C++ with support for algorithms such as Tarjan SCC, Kruskal's Alg, Floyd Warshall Algorithm etc.

Education

Santa Clara University:

Bachelor of Science, Computer Science (Emphasis in Algorithms and Complexity) Graduated June 2018
GPA: 3.69

Masters of Science, Engineering Management and Leadership Expected Graduation June 2019
GPA: 3.84

Semester at University of New South Wales, Australia July-December 2016

Leadership

Kappa Sigma Fraternity, Santa Clara University **2016-2018**
Academic Excellence Chair 2017-2018

Skills: Python, C++, tensorflow, openCV Java, Excel, Matlab, excellent communication, confident, work integrity, punctual, work well in teams, outgoing, passionate, quick learner, flexible