

Nathan Emmett Hutchison

Contact: nathanehutchison@gmail.com - (310) 245-2433 - San Francisco, CA

Websites: linkedin.com/in/nahutch - github.com/nahutch - nathanhutchison.com - nahutchfinanceapp.azurewebsites.net/

PROFILE I am a Salesforce Analyst with a M/S in Engineering Management & B/S in Computer Science. My integrity, excellent communication, drive to learn, & work ethic allow me to adapt & excel in any situation.

WORK EXPERIENCE

Salesforce Analyst at Varian Medical Systems June 2019 - Present

- Developed, designed, & led 5 week user acceptance testing for a 9 month, multi-million dollar project involving over 80 participants
- Acted as the lead business analyst to gather requirements & design feasible solutions within Salesforce CPQ solution
- Architected marketing data pipeline to consolidate customer interaction data across info captured in 7 different systems
- Designed & implemented integration of SFDC/Marketo to securely & efficiently enhance entire customer DB
- Created scalable, effective solutions within Salesforce Community Cloud on a new product offering supporting dozens of high margin contracts
- Performed daily duties involving general Salesforce Administration working in Sales Cloud & Community Cloud

Project Engineer Intern at Joseph J Albanese June 2017 - September 2017

- Interpreted & analyzed quantities of completed construction work to predict & prevent overruns on costs
- Developed estimates for future projects to accurately forecast costs on new contracts

Mentor/Tutor at Breakout Mentors June 2017 - July 2019

- Provided one-on-one mentoring & teaching of Python, C++ & Java to students aged 8-17
- Created personalized environments to fuel each student's love to code while teaching both fundamentals and more advanced concepts

PROJECTS

Impact of Covid on Financial Markets Web App

- Calculated Upside & Downside Beta indices to analyze volatility of industries & individual stocks due to COVID-19
- App created with Python & Streamlit alongside other libraries such as yFinance, Pandas & Numpy
- Containerized using Docker, hosted on DockerHub, & deployed on Azure App Registry
- Link: <https://nahutchfinanceapp.azurewebsites.net/>

UFC Fight Prediction Project

- Produced a web scraper dataset to combine with existing datasets to develop a proprietary fight/ fighter dataset(s)
- Used Python libraries such as Pandas, Numpy, Psycopg2, SQLAlchemy & Sci-kit Learn to refine model for best prediction of fight winner & win method
- Implemented a PostgreSQL database hosted on Azure Cloud to efficiently allow my partner and I to query information using PostgreSQL

Action Recognition Classifier Project

- Adapted an L1PCA facial recognition classifier to predict action from videos & tuned various hyperparameters to achieve a maximum prediction accuracy of over 78%
- Created motion history images from the videos to compress the motion of the video into still images to classify actions

EDUCATION

Masters of Science, Engineering Management 2018-2019

- Santa Clara University, GPA 3.84

Bachelor of Science, Computer Science (Emphasis in Algorithms & Complexity) 2014-2018

- Santa Clara University, GPA 3.69, Cum Laude

SKILLS Salesforce Administration, Python, SQL, Microsoft Azure, Marketo, Streamlit, Docker, Excel, Pandas, Git,

INTERESTS

- I love outdoor & actions sports such as surfing, skiing, volleyball, tennis, & mountain biking
- Traveling is what I live for (in non-COVID-19 times) & better yet I love to take my love for action sports around the world on Surf/Ski Trips
- Data Science & AI enthusiast at heart!
- Avid audiobook listener. Favorite recent book: Bad Blood by John Carreyrou