

# VIVIAN LUONG

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## EDUCATION

**University of California, Irvine**

June 2021

Bachelor of Science in Data Science

**GPA: 3.4**

## EXPERIENCE

Allergan | Data Analytics Engineer | *python, bash, excel* September 2019 - present

- Renamed, cleaned, and created a metadata database for Allergan's clinical studies using bash and python scripts. Each metadata study undergoes a machine learning model, which determines how long a drug takes to reach effectiveness.
- Facial feature recognition and cGAN implementation are used to rate the competency of a drug.

Citi | Data Analyst Intern | *python, SQL, Power BI, AWS* July 2020 - August 2020

- Worked with real-world financial data and Lexbot to create a Citi customer questionnaire for determining optimal Citi services for the client needs.
- Client responses are stored in S3 and further analyzed by using Amazon Personalize to deliver recommended financial products and improve customer satisfaction.

Digital Map Products | Data Operations Intern | *python, SQL* July 2018 - September 2018

- Matched parcel and property data of various counties by writing SQL scripts and functions to improve LandVision, a tool for customers to find and qualify land for property.
- I modified databases upon new data received and resolved customer complaints about mismatched parcel and property data.

## PROJECTS

Subscription Manager | *flask, firebase* August 2020

- I developed a wireframe to showcase a potential financial service and used firebase's user authentication to manage information that would be present user basic information and their following subscriptions.
- I used flask's web framework to access information stored in a user's database and built a web application for their subscription navigation.

Predicting California House Prices | *scikit-learn, pandas, matplotlib* March 2019

- I cleaned and visualized housing data in California to determine which housing features are important and whether I needed to transform any columns to accurately predict housing prices.
- I evolved a model by training part of the data to fit a linear regression model. Afterwards, I used my test data to assess the performance of my model and predict the median house values in Californian districts, given their location and square footage.

Profitable App Profiles for Mobile Markets | *pandas* January 2019

- I analyzed data from the Google Play and App Store to understand what kind of new apps are successfully downloaded by users.
- I interpreted that if a company were to make a new profitable app on the mobile market; book and reference apps are noticeably popular in the Google Play Store, whereas network and music apps are attractive genres in the App Store.

## SKILLS

**Programming Languages:** Python, SQL, C++, R

**Technologies:** Jupyter Notebook, Eclipse, Linux, Git/GitHub, Bash, Excel

**Soft:** Adaptability, Communication, Creativity, Marketing