

## CONTACT

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## SKILLS

### LANGUAGES + LIBRARIES

Python  
Git  
SQL  
PostgreSQL  
Pandas  
Scikit-learn  
Pytorch  
Keras  
Gensim  
Statsmodels  
spaCy  
BeautifulSoup  
Selenium  
NumPy

### MACHINE LEARNING + STATISTICAL MODELING

Linear/logistic regression  
Tree-based methods  
Ensemble methods  
Neural Networks  
Dimensionality reduction  
Clustering (k-means, DBScan)  
Topic Modeling (LSA/LDA)  
Tf-idf  
Word2Vec  
Doc2Vec  
Naive Bayes

### DATA VISUALIZATION

Matplotlib  
Seaborn

### OTHER

GCP Compute Engine  
GCP Cloud Storage  
GCP Cloud Sql  
GCP App Engine  
GCP AI Platform  
AWS EC2  
AWS S3

## PROJECTS

### Pixels to Feelings: Predicting Emotional Reactions to Imagery

- Compared 3 convolutional neural network training methods to build a generalizable model for emotion recognition tasks
- Using curriculum learning, obtained 72.74% accuracy on classifying an image into 1 of 6 emotions

### Reddit on Relationships

- Used Latent Dirichlet Allocation and BERT to create a content-based recommendation system
- Created a Flask app where users could enter their relationship problem(s) and receive 5 recommended Reddit posts to seek advice

### Mental Health Classification through Language

- Using tf-idf and logistic regression, achieved an F1 score of 0.84 in classifying text into 1 of 4 categories: anxiety, depression, ADHD, or non-clinical
- Created a flask app to classify user-inputted text and deployed on Heroku

## EXPERIENCE

### Metis

Data Scientist

San Francisco, CA  
June 2020 to Sept. 2020

- Received hands-on data science experience, completing 5 projects in 12 weeks
- Implemented supervised and unsupervised learning methods using Python
- Utilized cloud computing, storage, and databases using the Google Cloud Platform and Amazon AWS

### Breakthrough Research

Innovation & Analytics Associate

Los Angeles, CA  
May 2019 to June 2020

- Worked with the Chief Innovation Officer to develop 3 proprietary tools
- Assisted in experimental design (e.g., A/B testing) and management of 9 R&D studies
- Analyzed R&D studies using a variety of modeling techniques, including multiple linear and logistic regression and multilevel linear modeling

### Research Associate Intern/Contractor

Los Angeles, CA  
May 2018 to May 2019

- Worked on over 15 market research projects using both quantitative and qualitative methodologies
- Documented instructions for formatting datasets in Excel and reviewed/cleaned data for any discrepancies

### California State University, Northridge

Graduate Data Analyst Intern

Northridge, CA  
Aug. 2019 to June 2020

- Using 4 years of student and class data, utilized multiple and logistic regressions to identify relationships between Friday and Saturday classes on various student outcome measures
- Contributed to data cleaning, reshaping, and feature engineering on 3 other department projects
- Assisted with data visualization and reporting of results to present to university administration

### Applied Social Psychology Lab

Research Assistant

Northridge, CA  
Apr. 2017 to June 2020

- Cleaned, coded, and analyzed data from studies leading to second authorship on 1 publication, first authorship on 1 manuscript submitted for publication and 1 manuscript in preparation, 1 conference talk, and 3 conference poster presentations
- Assisted with the experimental design of 7 online studies
- Engineered and oversaw 6 longitudinal studies ranging from 3 weeks to 5 months

## EDUCATION

California State University, Northridge  
M.A. Clinical Psychology 2020

California State University, Northridge  
B.A Psychology 2017