Cell: (510) 798-4366
Email: david.eric.lopez@gmail.com

David Lopez

Skills

TECHNICAL: Python *(Pandas, Numpy, SKLearn, Sci-Py, Matplotlib, Plotly, Statsmodels, NLTK, BeautifulSoup)* | Git | R | Excel | SQL | Tableau | Machine Learning *(Classification, Regression, Clustering, Dimensionality Reduction, NLP)*
EXPERIMENTAL: A/B Testing | Experiment Design | Quantitative Analysis | Statistical Inference

Education

UNIVERSITY OF CALIFORNIA, SAN DIEGO   SAN DIEGO, CA
B.S. Cognitive and Behavioral Neuroscience   DEC 2020
Coursework: *Statistics | Data Science in Practice | AI Algorithms | Modeling & Data Analysis | Linear Algebra | Calculus I-III*
Awards and Affiliations: *Provost Honors | Data Science Student Society*

AT&T SUMMER LEARNING EXTERNSHIP   REMOTE
Business Acumen for Data Science Certificate   JUL 2020

OHLONE COLLEGE   FREMONT, CA
A.A. Human Development | A.A. Social Sciences   JUN 2018

Experience

UC San Diego (Linguistics Lab)   SAN DIEGO, CA
LEAD RESEARCH ANALYST   DEC 2019 – PRESENT
- Led team of three in data collection, cleaning, exploration and model-building operations.
- Implemented automated pipelines in Python, alleviating 20+ hours of weekly duties.
- Performed statistical tests uncovering language features that impact complexity.
- **Utilized sentiment analysis and topic generative models to identify how subjects learned language.**

Facebook   REMOTE
DATA CHALLENGE FINALIST   APR 2020 – AUG 2020
- Identified metrics that could be used to measure Instagram Story performance and engagement.
- Collaborated with other finalists to analyze and update Dubai RTA infrastructure.
- **Placed 1st in the final challenge as a result of strengthened skills in SQL and product-sense.**

Whova, Inc.   SAN DIEGO, CA
DATA SCIENCE INTERN   OCT 2019 – APR 2020
- Contributed to productionized models in Python to power targeted advertising service.
- Identified key metrics and engineered features for classification and similarity models.
- Analyzed churn account data holistically to identify pain points and solutions.
- Mobilized development of new app features and post-event reporting for client sponsors.
- **Resulted in 5% increase in reactivated accounts and improved retention.**

UC San Diego Health (Neural Engineering Lab)   SAN DIEGO, CA
ASSISTANT RESEARCH ANALYST   JAN 2019 – OCT 2019
- Capped participants for EEG and Transcranial Magnetic Stimulation.
- Developed a framework to maximize data pipeline efficiency using parallel processing in MATLAB.
- Identified neural oscillatory patterns that helped establish baseline brain activity in Python.
- **Findings aided in the development of new personalized therapies to treat ADHD and depression.**

Ohlone College   FREMONT, CA
ASSOCIATE RESEARCHER   JAN 2018 – JUN 2018
- Commissioned by the Office of Student Life to investigate student satisfaction at Ohlone College.
- Lead analytics team, identified campus pain points, student profiles, and solutions.
- **Resulted in the organization of TEDx conferences and increased professional development events.**

Featured Project

Email Newsletter Summarizer / GitHub
Developed a script that will access emails from Medium.com containing the users "Daily Digest" of recommended articles. **Retrieves newsletter articles from email, summarizes articles into seven sentences, and presents the summarizations in a clutter-free webpage that also contains links to the users LinkedIn, Gmail, and other websites.** Provides a tool that allows users to begin their days cleanly, and efficiently.