

Andrew Martinez

San Luis Obispo, CA | 916-301-1914 | amart89531@gmail.com | GitHub: AndrewJMart

PROFESSIONAL EXPERIENCE

Applied Data Science ML Intern

Boeing | Roseville, CA

June 2023 – September 2023

- Spearheaded the design and implementation of a robust data pipeline, efficiently processing logbook and service request data to be used for modeling.
- Applied advanced hyperparameter tuning techniques to optimize the NLP RoBERTa model's NER and RE performance, resulting in improved generalization across multiple data sources.
- Conducted comprehensive experiments to evaluate the performance metrics of multiple NLP models, contributing to informed decision-making and further advancements in NLP applications.

Business Analytics Intern

Boeing | Roseville, CA

June 2022 – September 2022

- Wrangled PO finance data utilizing SQL, including merging, cleaning, and structuring datasets.
- Generated \$8 million in contract savings through business insights created from cleaned finance data.
- Programmed and edited new team website using CSS, HTML, and Javascript.

Marketing Analytics Intern

Vetsnap | San Luis Obispo, CA

February 2022 – June 2022

- Utilized Hubspot to strategize marketing and sales plans, such as A/B testing for Vetsnap website.
- Created marketing data visualizations for Hubspot CRM data using Tableau dashboard.
- Webscraped utilizing Python BeautifulSoup and Yelp's API in order to generate new client data.

Sales & Marketing Intern

Soliro | San Luis Obispo, CA

November 2020 – December 2021

- Networked with professors, students, and alumni to assemble a team to pitch the product.
- Oversaw the coordination and execution of sales and marketing strategies, including the creation of compelling marketing graphics, sales presentations, and financial analyses.

CAMPUS INVOLVEMENTS

Data Science Research Assistant

California Polytechnic State University | San Luis Obispo, CA

January 2024 – Present

- Providing guidance to students on utilizing essential data science tools including GitHub and Pandas.
- Developing and implementing a CNN architecture to extract geolocation descriptions from images
- Employing various data science packages such as Pandas for proficient data wrangling and cleaning.

Project Lead/Coordinator

Cal Poly Data Science Club | San Luis Obispo, CA

September 2023 – Present

- Developing and maintaining LinkedIn job scraper using Selenium and BS4 for benefit of club members.
- Leading technical workshops focusing on diverse data science tools including Python and R.

TECHNICAL SKILLS & INTERESTS

- **Software:** Python (pandas, PyTorch, scikit-learn, spaCy), R (ggplot2, tidyverse), SQL, Tableau, Git
- **Statistical Modeling:** Regression, Multivariate Statistics, Experiment Design & Analysis, Multilevel Modeling, Time Series Analysis, Essential Statistics
- **AI/ML:** NLP (RoBERTa, BiLSTM) Computer Vision (CNNs, ResNet), Ensemble Methods (XGboost, Random Forests), Recommendation Algorithms (Collaborative Filtering)

EDUCATION

California Polytechnic State University, San Luis Obispo, CA

Fall 2020 - Spring 2025

Bachelors of Science (Double Major): **Statistics** | **Business Administration**

Cumulative GPA: **3.96**

Minors: **Data Science, Computer Science**