

# Parker Addison

## I am a Data Scientist who loves to Explore, Collaborate, and Communicate...

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### Experience

#### **NLP ENGINEER** | Qualcomm Institute, National Science Foundation

July 2019 to Present

Train artificial intelligence chatbot to parse and explain Kubernetes documentation and answer natural language queries. Classify message intents and build semantic QA system. Write Bash scripts and Python programs, deploy via Docker. Research is NSF-funded via an REU, part of the Pacific Research Platform.

#### **INSTRUCTIONAL ASSISTANT, DISCUSSION LEADER** | UC San Diego

Apr 2018 to Present

Provide essential support to department faculty teaching data science classes: design homework and projects, hold office hours, grade exams, and teach students both one-on-one and in groups. Topics include introductory and advanced data science and machine learning subjects such as linear algebra, probability, and Python analysis libraries. Working remotely.

#### **RESEARCH ASSISTANT** | UC San Diego

Apr to June 2019

Collaborated closely with faculty exploring algorithmic bias, graph theory, and statistics. Worked in Python and R to expose statistical bias in common sampling methods on network graphs. Researched new representative sampling algorithms.

#### **MACHINE LEARNING ENGINEER** | Sapie Space

Jan to Aug 2018

Used machine learning to match clients with social media micro-influencers. Crawled and scraped webpages, cleaned data, and engineered new influence features. Represented company at Triton Entrepreneur Night, demonstrating company services to potential clients and investors.

#### **DATA ANALYST** | SommSelect

July to Sep 2017

Crunched numbers for wine e-commerce products and services. Compiled, sorted, and restructured data, then analyzed and identified profitability trends. Designed pivot tables and color-coded data tables to give executives clear visibility into company conditions and the success of big-picture initiatives. Worked remotely.

### Beyond Work

#### **PROJECT DO-ER**

*I love to take on fun projects. These range from tools for [machine learning education](#), [Alexa skills for medical patients](#), data analysis of [bike path safety](#), Python and SQL [coding challenges](#), and [AI art projects](#).*

#### **COMMUNICATOR**

*Effectively communicating data science concepts is important to me. I've helped [develop and teach curriculum](#), mentored students at a [data-centric hackathon](#), and discussed data science with a crowd as an [invited speaker](#).*

### Education

#### **University of California, San Diego – B.S. Data Science**

Sept 2017 to March 2021

- Halicioğlu Data Science Institute Undergraduate Research Fellow
- Data Science Student Representative (founding member)

- Cumulative GPA: 3.93, Technical GPA: 3.97
- Minor in Business Management

### Skills

#### **LIBRARIES**

Python · SQL · JavaScript · R · Pandas & NumPy · Matplotlib · SciPy · SciKit-Learn · PyTorch

#### **DATA SCIENCE**

Database Management · Data Engineering · Feature Extraction · Analysis · Reporting

#### **MACHINE LEARNING**

Probability & Statistics · Regression · Classification · Recommender Systems · Deep Learning · NLP

#### **TOOLS**

AWS · Kubernetes & Docker · Git · Continuous Integration · Jupyter Notebooks · ArcGIS