

Parker Addison

I'm a data scientist who explores, collaborates, and communicates

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EDUCATION

B.S. Data Science, Minor Business

University of California, San Diego

Sep 2017 – Mar 2021

- Cumulative / Technical GPA: 3.93 / 3.97
- Halicioğlu Undergraduate Research Fellowship
- HDSI Student Representative (*founding member*)

WORK EXPERIENCE

Data Visualization Researcher/Engineer

NSF REU @ Qualcomm
Institute

Jul 2020 – Present

- Visualize real-time HPC cluster health and network data in virtual reality
- Pipeline to asynchronously query and format 8,000+ network measurements
- Scalable pipelines via Kubernetes and Docker deployments

Instructional Assistant

UC San Diego

Apr 2018 – Present

- Develop curriculum, write [textbook](#), and design assignments
- Lead office hours and discussion sections, one-on-one and in groups
- Teach concepts in data science, machine learning, probability, and statistics

NLP Researcher/Engineer

NSF REU @ Qualcomm
Institute

Jul 2019 – Jun 2020

- Train artificial intelligence chatbot to answer natural language queries
- Unsupervised clustering on 30k unstructured chat messages

Research Assistant

UC San Diego

Apr 2019 – Jun 2019

- Quantify statistical bias in large-scale graph sampling schemes
- Implement R bootstrapping package for Python using NetworkX and NumPy

Machine Learning Engineer

Sapie Space

Jan 2018 – Aug 2018

- Scrape social media data, engineer features for association rule learning

Data Analyst

SommSelect

Jul 2017 – Sep 2017

- Analyze and present profitability trends in e-commerce wine sales

PROJECTS AND INTERESTS

[Neural Net Visual](#) • Interactive 3D graphical neural net editor to foster machine learning education

[Ouch, That Hurts!](#) • Amazon Alexa skill for medical patients and doctors to discover trends in symptoms

[Safer Bike Paths](#) • Geospatial analysis on 3 years of bike crashes in San Diego; presented to Esri engineers

[AI Art Exhibition](#) • AI-generated art projects with TensorFlow to critique social sentiment around AI/ML

[Dvorak Visualized](#) • Interactive simulation-based comparison between the QWERTY and Dvorak keyboards

Also, I'm a... [hackathon mentor](#), [invited event speaker](#), [coding challenge conqueror](#), [web designer](#), & more!

SKILLS

Libraries

Python • R • SQL • JavaScript • NumPy • Pandas • Matplotlib • SciKit-Learn • PyTorch

Data Science

Analysis • Cleaning • Visualization • Pipelining • Modeling • Reporting

Machine Learning

Statistics • Classification • Regression • Recommender Systems • Deep Learning • NLP

Tools

AWS • Kubernetes • Docker • Bash • Git • Continuous Integration • Jupyter