Parker Addison

I'm a data scientist who Explores, Collaborates, and Communicates...

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GitHub: github.com/parkeraddison

EDUCATION

B.S. Data Science, Minor Business
- Cumulative / Technical GPA: 3.93 / 3.97
- Halıcıoğlu Undergraduate Research Fellowship
- HDSI Student Representative *(founding member)*

University of California, San Diego
Sep 2017 – Mar 2021

WORK EXPERIENCE

Data Science R&D Intern (Incoming)
- Integrate distributed storage into the NASA Ames data science workflow

USRA NAMS at **NASA Ames**
Jan 2021 – May 2021

Data Visualization Researcher/Engineer
- Visualize real-time HPC cluster health and network performance in VR
- Build scalable Kubernetes pipelines for asynchronous data collection

NSF REU at **Qualcomm Institute**
Jul 2020 – Present

Instructional Assistant
- Author new data science textbook, develop curriculum and assignments
- Teach concepts in data science, machine learning, probability, and statistics

UC San Diego
Apr 2018 – Present

NLP Researcher/Engineer
- Train AI helpdesk chatbot using state-of-the-art language models
- Explore unsupervised clustering on 30k unstructured chat messages

NSF REU at **Qualcomm Institute**
Jul 2019 – Jun 2020

Research Assistant
- Quantify statistical bias in large-scale graph sampling schemes
- Implement parallelized bootstrapping package from R into Python

UC San Diego
Apr 2019 – Jun 2019

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

Sapie Space
Jan 2018 – Aug 2018

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

SommSelect
Jul 2017 – Sep 2017

BEYOND WORK

Projects on AI Art - AI-generated art projects using TensorFlow 2 to critique social sentiment around AI/ML
Neural Net Visual - Interactive 3D graphical neural network 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

You might also know me as... an event speaker, a hackathon mentor, or a bossa nova guitarist

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TOP STRENGTHS

Libraries — Python · R · SQL · JavaScript · NumPy · Pandas · Matplotlib · SKLearn · PyTorch
Data Science — Analysis · Cleaning · EDA · Modeling · Pipelining · Reporting · Visualization
Machine Learning — Statistics · Classification · Regression · Recommender Systems · Deep Learning · NLP
Tools — AWS · Kubernetes · Docker · Bash · Git · Continuous Integration · Jupyter