

## Parker Addison

We have big data, big challenges, and big ideas. Time for big impact.

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GitHub: [github.com/parkeraddison](https://github.com/parkeraddison)

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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*)

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### WORK EXPERIENCE

#### **Data Science R&D Intern** (Incoming)

**USRA NAMS at NASA Ames**

Jan 2021 – May 2021

- Integrate distributed storage into the NASA Ames data science workflow

#### **Data Visualization Researcher/Engineer**

**NSF REU at Qualcomm Institute**

Jul 2020 – Present

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

#### **Instructional Assistant**

**UC San Diego**

Apr 2018 – Present

- Author [new data science textbook](#), develop curriculum and assignments
- Teach concepts in data science, machine learning, probability, and statistics

#### **NLP Researcher/Engineer**

**NSF REU at Qualcomm Institute**

Jul 2019 – Jun 2020

- Train AI helpdesk chatbot using state-of-the-art language models
- Explore 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 parallelized bootstrapping package from R into Python

#### **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

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### 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 · Pipelining · Visualization · Modeling · Reporting

#### **Machine Learning**

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

#### **Tools**

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