Matt Kirby

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[Linked In](#) | [GitHub](#)

Using Data Science to Solve Problems on Earth and Beyond

EXPERIENCE

Data Science Intern, Connected Mind

April 2020 - PRESENT

Architected an AWS cloud native solution for performing statistical tests on mental health screening data.

Data Science Team Lead, Lambda School

September 2019 - February 2020

Provided support and code reviews to a team of data scientists learning statistics and linear algebra fundamentals, Python, modeling, data engineering, machine learning, OOP, and reproducible code.
Created training materials to challenge students in the areas of object oriented programming, SQL queries, web APIs, and Flask web development

IT Field Services Technician, Angelo State University

March 2018 - Feb 2019

Collaborated as part of rapid response team that handled high priority jobs for university administration
Worked with Windows and IOS troubleshooting hardware, software, and firmware issues

EDUCATION

Lambda School, Data Science Fellowship

March 2019 - February 2020

Coursework Includes: Descriptive Statistics, Predictive Statistics, Machine Learning, Data Engineering, Data Structures & Algorithms, Software Design

Angelo State University, Bachelors Degree

August 2013 - May 2018

Coursework Includes: Calculus, Data Analytics, Statistics, International Marketing, Strategic Management, Consumer Behavior, Organizational Behavior

SKILLS

PROGRAMMING: Python, SQL, C

DATA ANALYSIS & VISUALIZATION: Scipy, Pandas, Numpy, Matplotlib, Plotly, Plotly Dash

MACHINE LEARNING: Keras, Artificial Neural Networks, Scikit Learn, Clustering, Classification, Regression, Tree Based Models

NATURAL LANGUAGE PROCESSING: Spacy, Gensim, NLTK, Document Similarity, Topic Modeling, Text Vectorization

ADDITIONAL SKILLS: Microsoft Office Suite, Git, AWS

PROJECTS

[MUSHROOM ML](#): Decision Trees, Dash App, Binary Classification

[INTERPLANETARY MISSIONS](#): Orbital Mechanics, Porkchop Plots, Trajectory Analysis

CERTIFICATIONS

AWS CLOUD PRACTITIONER: May 2020 – Storage, Compute, Database, Security, Management, and Architectural Best Practices