

Mitchell Pudil

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WORK EXPERIENCE

Codazen

May 2021 – Present

Data Science Manager

SLC, UT (hybrid)

- Lead the development of proprietary generative tools for designers utilizing deep learning technology (perception.io)
- Hire and manage 3 data science interns, 2 full-time data engineers, and 1 design consultant
- Develop comprehensive technical programming and panel interview questions to assess the skills and suitability of prospective data scientists and data engineers during the hiring process
- Create an efficient onboarding system for data scientist to learn AWS, Python, MySQL, VS Code, and GitHub
- Facilitate a clear understanding of project requirements, priorities, and progress as the Team Point of Contact
- Conduct client meetings to showcase the company's data science expertise
- Orchestrate quarterly team-building initiatives for the SLC team to improve collaboration and motivation

Codazen

May 2020 – May 2021

Data Scientist (Lead)

SLC, UT (remote)

- Designed, implemented, trained, and deployed 3 multi-modal deep neural networks in Pytorch using GPUs
- Developed pipeline to automatically re-train and re-deploy deep learning models using AWS ECR and ECS
- Created 4 machine learning-based microservices using FastAPI, Docker, and AWS
- Developed and deployed web apps with Dash to create custom surveys for gathering data and to demonstrate data science tools and capabilities to stakeholders

OrderBoard

May 2019 – August 2019

Data Science Intern

Orem, UT (in-person)

- Leveraged R, MySQL, and AWS to webscrape and create reports which were used to narrow the gap between tech companies searching for employees and individuals looking for jobs

EDUCATION

Carnegie Mellon University (Rated #5 best statistics graduate program in the U.S.)

May 2020

Master's in Data Science: Statistical Practice Emphasis, 4.0/4.0 GPA

Pittsburgh, PA

- Completed intensive 8 month master's program in data science covering topics in machine learning and statistics
- Coauthored *Enhancing The Classification of Aphasia: A Statistical Analysis Using Connected Speech* which involved analyzing speech data using machine learning techniques including K-Means and random forests
- Teaching assistant in statistics, data Science, probability theory, and programming in R

Brigham Young University

June 2019

B.S. Statistics, B.S. Economics, Minor in Mathematics, 3.93/4.0 GPA

Provo, UT

- Research and teaching assistant in statistics, econometrics, behavioral economics, economics, and programming in R and SAS
- Researched economic inequality in the U.S. and U.K. alongside renowned professors at University of Cambridge in England

SKILLS AND CERTIFICATIONS

- Programming Languages: Python, SQL, R, SAS
- Tools: AWS (EC2, S3, Elastic Beanstalk, SageMaker, DynamoDB (NoSQL), ECR, ECS, CloudWatch), Git, Jupyter Notebook, Dash, Amazon Mechanical Turk.
- Python Packages: Pytorch, sklearn, Pillow, OpenCV, pandas, numpy, FastAPI, Flask, TensorFlow, Matplotlib, Selenium, and more
- Skills: Deep learning, machine learning, statistics, CI/CD pipelines, Natural Language Processing (NLP), image analysis
- Currently Learning: Docker, PySpark, AWS OpenSearch
- Certifications and Awards: Applied Statistics and SAS Programming, Eagle Scout