

# Mitchell Pudil

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## WORK EXPERIENCE

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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](https://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

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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

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- 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