CHELSEA FRENCH

Data Science Manager

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WORK EXPERIENCE

Engineering Manager, Data Science
Bluesight
📅 2025 - current   📍 Alexandria, VA

- **Data Science Manager**
- Managed a team of three data scientists supporting multiple production data products. Provided technical guidance, code review, and project oversight to ensure high-quality, production-ready data science deliverables.
- **Machine Learning**
- Oversaw the development, deployment, and ongoing maintenance of two supervised machine learning models in production
- Led the end-to-end development of new data features (e.g., rule-mining–based features), from ideation and exploratory analysis through production deployment in Amazon SageMaker.
- **Generative AI & Agentic Systems**
- Collaborated with software engineers to design and prototype an agentic system using Amazon Bedrock. Participated in an AWS experience-based acceleration (EBA) program.
- Implemented a quality enablement and evaluation framework for chat-based agentic systems in production environments

Program Facilitator
Flatiron School
📅 2025 - current   📍 Denver, CO

- Flatiron school facilitator for programs in Data Science and AI (Intro to Python, Intro to Data Science, Intro to SQL)

Senior Data Scientist
Scientist.com
📅 2018 - 2024   📍 San Diego, CA

- **Full Stack Data Analyst**
- Built and maintained optimized tables and views in data warehouse (Postgres, Presto, AWS, Airflow, DBT)
- Created automated business intelligence visualizations in production environment (Tableau, Superset)
- Created composite metric to optimize search result relevancy in web application (Python, Rails, ElasticSearch)
- **Machine Learning**
- Designed proprietary ML models for accounting and revenue recognition (Decision Trees, Ensemble models, Boosting)
- Identified need for internal advertising, built recommendation algorithms and implemented code in full-stack product to advertise services to customers, increasing company revenue by 0.3% (Python, Association Rule Mining, Rails)

Adjunct Professor for Statistics
Palomar Community College
📅 2017 - 2018   📍 San Diego, CA

- Lectured on statistical analyses in social and behavioral science on computations of statistical tests

EDUCATION

B.S.
Psychology, Criminology and Criminal Justice
Northern Arizona University
📅 2008 - 2012

M.A., Psychology
Neuroscience
San Diego State University
📅 2013 - 2016

PROJECTS

https://cnn-sevenwonders-app.fly.dev
- Image classification Flask web app (Neural Network)

https://anatomyofasong.fly.dev
- Pop song classifier Flask web app (Boosted Decision Tree Model)

https://github.com/cfrench575/tabula
- Python library to interact with Tableau API

SKILLS

- Python
- Team Management
- Ruby on Rails
- Flask
- Generative AI
- Agentic Systems
- ETL pipelines
- Amazon SageMaker
- DataDog
- SQL
- AB testing
- Machine Learning
- Tree-Based models
- Recommendation Algorithms
- Data Analysis
- Statistics
- Git
- Business Intelligence Dashboards
- Tableau
- Project Management