CHELSEA FRENCH

Senior Data Scientist

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WORK EXPERIENCE

Senior Data Scientist

Scientist.com

📅 2018 - current   📍 San Diego, CA

- **Sole Machine Learning Engineer on Data Science Team**
- Used Python ML libraries and SQL to build customer recommendations and internal models for forecasting revenue
- Identified need for internal advertising, built recommendation algorithms, implemented code in full-stack product to advertise services to customers. Increased company revenue by 0.3%
- Implemented AB testing infrastructure in Rails web application
- Collaborated with full-stack engineers to deliver ML features all the way to production
- **Management Experience**
- Managed two internships which consisted of data science project tasking, daily status meetings and communication of performance to upper management
- **Tableau Administration**
- Managed client-facing business intelligence visualizations
- Implemented Python framework for automating and centralizing reporting, including unit tests for data security

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

Quantitative Analyst

Precision Consulting

📅 2017 - 2018   📍 San Diego, CA

- Delivered statistical analyses of academic and healthcare data to clients

Research Technician

Veteran's Medical Research Foundation

📅 2016 - 2017   📍 San Diego, CA

- Analyzed neuroimaging data from patients with Parkinson's Disease

EDUCATION

B.S.
Psychology, Criminology and Criminal Justice

Northern Arizona University

📅 2008 - 2012

M.A., Psychology Neuroscience

San Diego State University

📅 2013 - 2016

SKILLS

- Python (NumPy, Pandas, Scikit-learn, PySpark, Jupyter, Flask)
- SQL (Athena, Postgres)
- Git
- Ruby on Rails (Active Record)
- AB Testing
- Writing Unit Tests
- Time Series Forecasting
- Supervised and Unsupervised Machine Learning
- Natural Language Processing (Gensim, Word2Vec)
- OpenAI Prompt Engineering
- Recommendation Engines (collaborative-based, content-based and market basket analysis)
- Business Intelligence Dashboard Creation (Tableau, SuperSet)
- Tableau Administration
- Project Management
- Composite Metric Development
- Feature Engineering
- Object-Oriented Programming
- Customer Segmentation