

John Dailey

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Employment

Coding Dojo

Data Science and Data Governance Teaching Assistant and Instructor

- Lead 60+ Data Scientist trainees, tracked progress, provided constructive feedback
- Answered questions, code reviews, developed curriculum, encouraged excellence

Remote, Saudi Arabia

04/2020 - Present

Education

Lambda School

Data Science, Machine Learning, and AI

- Python, SQL, Database Creation and Management, Teamwork and Collaboration
- Statistics, Algorithms, Predictive Modeling, Data Engineering, Computer Science

San Francisco, California

01/2020 - 03/2021

University of South Florida

Master of Science in Cybersecurity and Information Assurance

- SQL, Data Networks Systems and Security, Advanced Systems Analysis and Design
- Decision Analysis for Business Continuity and Disaster Recovery, Project Management

Tampa, Florida

05/2018 - 12/2018

Florida International University

Bachelor of Arts in Geography

- GIS, Research Methods, Independent Study, Science of Work, Foreign Languages

Miami, Florida

01/2011 - 08/2012

Skills

- **Data Wrangling & Storytelling:** Statistical Tests & Experiments | Bayesian Inference | Linear Algebra | Clustering
- **Python:** Predictive Modeling | Linear Models | Regression | Decision Trees | Random Forests | Cross-Validation | XGBoost | Classification Metrics | Numpy | Pandas | Scikit-Learn | TensorFlow | Matplotlib | Seaborn | Plotly
- **Applied Modeling:** Heuristics | Defining Machine Learning Problems | Wrangling Machine Learning Datasets | Ensemble Modeling | Permutation & Boosting | Model Interpretation | Algorithmic Trading | Licensing
- **Data Engineering:** ETL | Python Modules | Packages and Environments | OOP | Code Style and Reviews | Docker and Reproducible Builds | Web Scraping | RESTful API Development | Data Governance | Power BI | Tableau | Software Engineering & Reproducible Research | Unit Testing | Software Testing Documentation
- **SQL for Databases and Analysis:** NoSQL and Document-Oriented Databases | MongoDB | ACID and Database Scalability Trade-offs | Relational Databases | MySQL | PostgreSQL | IBM Db2 | SQLite | Blockchain
- **Productization & Cloud:** Web Application Development with Flask | Consuming Data from an API | Adding Data Science to Web Applications | Web Application Deployment | "Productionizing" Earlier Analysis | AWS | IBM Cloud
- **Machine Learning:** Supervised Learning | Unsupervised Learning | Natural Language Processing | Sentiment Analysis | Neural Network Foundations | Major Neural Network Architectures | Deep Learning | State of the Art ML
- **Computer Science:** Algorithms | Data Structures (Heaps) | Hash Tables & Blockchain | Graphs | Computer Architecture | ORM | Processes and System Calls | Scheduling | Web Servers | Linux | Terminal | Git | Debugging | Encryption | CSS | HTML | XML | JSON | Data Analysis | Technical Writing | Project Management | AGILE

Projects

[CitySpire US City Recommendation API](#)

- Collected, cleaned, wrangled, joined, and feature engineered US city data for recommendations
- Created an API for web front-end, and provided availability to the public, through teamwork
- Managed AWS IAM roles, AWS Relational Database Service, Docker deployment, and AWS Elastic Beanstalk

[Med-Cabinet Cannabis Strain Recommendation API](#)

- Web scraped medical cannabis data from Weedmaps and analyzed tabular data from Leafly
- Created an API for web front-end, and provided availability to the public, through teamwork
- Implemented of nearest neighbors model to provide recommendations via API and Flask web application