DENE FARRELL

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PROFESSIONAL EXPERIENCE

Latch, New York - Senior Manager, Data Engineering   Sept 2019 – Present
- Managed a team of five including three data engineers, a data scientist, and a business analyst
- Delivered several cross-company services: Data Centralization and Governance, Data Ecosystem Management with Automated Analytics Job Support, Company Operational Notifications, CRM to ERP Integration, PII Anonymization, ML Pipeline Development and Deployment Framework
- Worked with a varied set of internal stakeholders while adapting to meet the data needs across Latch.

Capital One, New York - Principal Data Engineer   May 2017 – Sept 2019
- Lead Card-on-file Detections: Successfully built and deployed a classification pipeline that identifies for all credit holders which merchants have stored their credentials on file.
- Re-architected a monolith ML application to microservices using AWS serverless services
- Implemented a comprehensive customer profile feature engineering pipeline to service a multi-armed bandit call schedule recommendation service with Python, Snowflake, and Kubernetes.

Insight Data Science, New York - Data Engineering Fellow   Jan. 2017 – Mar. 2017
- Deployed Fleetingly, a taxi fleet analysis application for scalable sensing of geospatial patterns
- Implemented fleet performance analysis with live streaming and historical pattern visualizations.

Sloan Kettering Institute, New York - Software Engineer   Dec. 2008 – Jan. 2017
- Developed image processing applications for understanding early *Drosophila* embryo development.
- Made advanced computational tools accessible to non-technical users with intuitive interfaces.
- Enhanced image processing capabilities in order to analyze previously unobtainable 4D data.
- Built applications in Matlab, Python ad Java

SIDE PROJECTS

Gifthorse Inc, New York (gifthorse.shop**) -** Founder and Developer   June 2018 – Present
- Developed a fun and easy to use gift recommender service
- Django Web Backend, React Frontend, Scala Data Engineering and ML Backend
- Services implemented: product parsing and updating, basic frontend functionality, basic recommendation functionalities, authentication, CICD Deployments

EDUCATION

State University of New York, Binghamton
M.S. Systems Science   2008
B.S. Bioengineering   2006

SKILLS

Data Engineering: AWS, Sagemaker, Kafka, Spark, EMR, DynamoDB, AWS Lambda, Flask, Django, ElasticSearch, Airflow, Luigi, Ansible, Jenkins, CircleCI, Snowflake, Docker, Kubernetes
Machine Learning: Classification, Regression, Data Wrangling, Feature Engineering, Entity Resolution, Artificial Neural Networks, Unsupervised Learning Algorithms, K-Means Clustering, PCA
Programming Languages: Bash, Python, SQL, Java, Scala, JavaScript, React, D3
Team Management: Roadmap Planning, Jira, Agile, Scrum, Kanban, Cross Org Collaboration Strategies