**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 -** Image Analysis 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.
* Co-authored several publication in premiere journals such as Nature.

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