

# Jayne Dough

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## Work Experience

**Senior Citizen Loving Data Scientist, Dough Factory** | June 2021 - Present | New York, NY

- Gen-AI/LLM system, recommendation engine, knowledge graph, decision science, leadership, mentorship

**Data Baking Scientist, Bagette Bakery** | June 2017 – June 2021 | New York, NY

- Experimentation, causal inference, ML model deployment, simulation, data pipelines

**Data Cookie Eater, Fairy Farms** | June 2021 – June 2022 | Remote

- KPI monitoring, forecasting, dashboards, data modeling, data architecture

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## Education

**University of Iceland** | M.S. Data Storytelling | B.S. Fairy Studies

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## Project Experience

### Network Graph Analysis

Applied graph-based analytical techniques to real-world healthcare operations. By constructing a network graph from disparate routing data, bottlenecks in patient care pathways were identified and systematically mitigated, improving both operational efficiency and the patient experience. This work demonstrates the ability to extract actionable insight from messy, real-world healthcare data to drive tangible improvements in care delivery.

### Predictive ML Models

As part of the data science team, shipped and maintained a suite of predictive machine learning models in AWS SageMaker, including LTV, churn, retention, and engagement models. These models informed product and business strategy across the organization, demonstrating end-to-end ownership of the ML lifecycle from development through production maintenance.

## Supporting Experience

**Technologies & Skills:** Python, SQL, Snowflake, AWS, SciKit/PyTorch

**Certifications:** AWS Machine Learning Specialty, AWS Cloud Practitioner

**Distinctions:** Exceptional Fairy Award, Winner Fairy Data Analytics Symposium Competition 2019, Dough Factory Team Member Spotlight

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