

# DANNY GOLDBLUM

[dgoldblum@fordham.edu](mailto:dgoldblum@fordham.edu) | (203) 554-7727 | [linkedin.com/in/danny-goldblum-profile/](https://www.linkedin.com/in/danny-goldblum-profile/) | [github.com/dgoldblum](https://github.com/dgoldblum)

## TECHNICAL SKILLS

### Programming Skills

Python (TensorFlow, PyTorch), SQL (MySQL, Snowflake), C++, Docker, TypeScript, Git, AWS, CUDA

### Critical Skills

Machine Learning, Reinforcement Learning, Data Analysis and Engineering, Probabilistic Inference, Statistical Analysis, Deep Learning, Time-Series Forecasting, GenAI, Natural Language Processing, Transformers, LLMs, APIs, Full Stack Engineering

Certifications | Amazon Web Services Cloud Practitioner

## EXPERIENCE

### Freelance Software Engineer

March 2025 – Present

*Carrington Farms*

- Engineered an automated logistics data pipeline with integrated notification systems, streamlining data collection and analysis to achieve a 5x reduction in manual workload and near real-time reporting
- Created custom APIs for program integration with Azure, shipping partner databases, and email systems

*Stamford Wrecking Company*

- Developed book-to-bank reconciliation automation software, eliminating manual financial reconciliation
- Built end to end automated web-scraping system that aggregates and submits contract bids, cutting human processing time from 30 hours to 4 hours per week, accelerating turnaround by 85% and improving operational throughput

### Underwriting Intern | North (formerly NAB)

May 2024 – August 2024

- Developed data analysis pipelines to optimize merchant underwriting outcomes, reducing pend rates by 20% to reach ideal market ratio
- Built performance models and dashboards in Python + Snowflake, improving analyst efficiency by 17% and accelerating new underwriter training

### Machine Learning Intern | Stamford Wrecking Company

June 2023 – August 2023

- Constructed neural networks to predict Estimate at Completion and Earned Value Management System plots with 92% accuracy, reducing costs by 12%.
- Developed unsupervised learning algorithms to identify patterns and principal components affecting construction and demolition project costs

### Research Technician | WashU School of Medicine, Major Lab

October 2019 – December 2022

- Conducted Mass Spectrometer data analysis and engineering on data generated from hundreds of protein sequences
- Delivered data visualizations and insights to both technical and non-technical stakeholders

## EDUCATION

### Fordham University | Master of Science in Computer Science

May 2025

*Cumulative GPA* | 4.00/4.00

*Awards and Honors* | Phi Kappa Phi Honor Society

### Washington University in St. Louis | Bachelor of Arts in Biology

December 2022

*Awards and Honors* | Academic Dean's List, May 2021 | Chimes Junior Honorary Member, May 2021

## PUBLICATIONS

### Master's Thesis | [Linked Here](#)

- Researched and developed a generalized Bayesian inference algorithm for non-linear latent variable models to study correlation analysis between brain regions

## LEADERSHIP & TEACHING

### Coach | Central Rock Gym

February 2023-Present

- Lead a recreational teen climbing team; coached younger children and adults in skill progression and safety
- Developed lesson plans and guided athletes in building confidence, teamwork, strength, and resilience

## PROJECTS

### Earnings Call Risk Prediction Model

- Used NLP to extract, learn, and analyze hundreds of recorded financial institution earnings call transcripts.
- Developed a voting-based regression system for risk prediction with up to 96% accuracy

### Large Language Model

- Built and finetuned a transformer from the ground up with OpenAI's **Tokenizer API**, **TensorFlow**, and **HuggingFace**.

## SKILLS and INTERESTS

Problem Solving, Critical Thinking, Adaptability, Project Management, Collaboration, Communication, Leadership, Design Rock Climbing, Snowboarding, Special Needs Snowboard Instruction, Hiking, Mountaineering, Music, Community Service