

Education

DePaul University

Master of Science, Computer Science
Artificial Intelligence Concentration

Chicago, IL
2026 - Current

The University of Scranton

Bachelor of Science, Business Analytics
Operations Management Minor

Scranton, PA
2022 - 2025

Experience

Northrop Grumman Space Systems

Dulles, VA

Pricing & Estimating Intern

June 2024 – August 2024

- Developed Pricing & Estimating training using Adobe Captivate. The training is used for onboarding throughout the Northrop Grumman Space Sector.
- Worked within an Agile Team creating a Cost Volume automation tool that reduced manual work and ensured DFARS compliance.
- Reviewed Basis of Estimate's for accuracy & compliance with company and regulatory guidelines.
- Consolidated proposal and staffing data in Tableau to evaluate pricing analyst productivity using proposal volume, quality, and effort scores.

Pampco

Passaic, NJ

Data Analytics Intern

June 2023 – August 2024

- Simplified rebate management by aggregating critical data from vendors into a comprehensive report. This project enhanced information accessibility and efficiency.
- Enhanced product catalog integration by cleaning and standardizing data.

Financial Analytics Intern

June 2022 – August 2022

- Performed a comparative analysis of company financial data as compared to public and private competitors. This project required data acquisition, cleaning, and analytics. The result was a comprehensive report to be included in investor materials for the year.

Projects

Nova

2026 – Current

- Developed a desktop AI agent that completes autonomous tasks on the user's machine, utilizing local tool execution, Docker sandboxes, and smart model routing designed for speed and cost efficiency.
- Created Magnetar-01 and Magnetar-01-Coder by LoRA fine-tuning Qwen3.5-35B-A3B on successful task demonstrations generated by frontier models within Nova, specializing both models for working inside Nova.
- Developing a task decomposition engine that breaks complex projects into smaller, verifiable subtasks, reserving frontier models for planning and delegating execution to lower-cost models

Enfusion Engine Neural Rendering

- Researching neural rendering using the Enfusion Engine as a testbed. This research aims to produce photorealistic visuals from simplified rendering on lower-cost hardware.
- Designing a training approach using Enfusion assets with photorealistic counterparts to reconstruct visual detail while preserving object geometry and artistic intent.