

Cynthia A. Niaz

Minneapolis, MN | GitHub: github.com/CynthiaNiaz | CynthiaNiaz.com

EDUCATION

CARLETON COLLEGE

Bachelor of Arts in Physics

Northfield, MN

Expected June 2027

Relevant Coursework: Thermodynamics, Electronics, Data Structures, Software Design, Mathematical Structures

Activities and Societies: Varsity Cross Country and Track & Field, Society of Physics Students

PROFESSIONAL EXPERIENCE

ORACLE

Data Engineer

Cambridge, MA

January 2026 – Present

- Architected a Microsoft Fabric workspace and Lakehouse for data ingestion, transformation, and pipeline workflows.
- Built AI-powered data pipelines using Azure OpenAI (GPT-4o) and Python to automate large-scale data processing.

Data and Analytics Extern

December 2025

- Built market-intelligence dashboards integrating store-level data with public demographic and competitive indicators.
- Translated ambiguous business questions into structured analytical models and reusable documentation.
- Deployed market intelligence web app on Azure Static Web Apps integrating Census API and competitive data sources.
- Designed a weighted market-attractiveness scoring framework with interactive controls and dynamic visualizations.

U.S. DISTRICT COURT, DISTRICT OF MINNESOTA

Judicial Intern - Chambers of the Hon. William J. Fisher

Minneapolis, MN

June 2025 – September 2025

- Analyzed pleadings, motions, and dockets using PACER and CM/ECF to track case progression and judicial reasoning.
- Prepared case summaries and reference materials to support chambers staff during proceedings.

3M

Inventor Extern

Maplewood, MN

December 2024

- Analyzed design tradeoffs and material choices for a Solvatum product with 3M R&D teams.
- Presented technical product analysis integrating engineering performance and market context.

WELLS FARGO BANK

Teller

Wayzata, MN

June 2024 – September 2025

- Processed high-volume financial transactions while adhering to strict compliance, security, and regulatory procedures.
- Delivered consistent, professional customer service while balancing efficiency with risk awareness.

CAMPUS INVOLVEMENT

CARLETON COLLEGE – MAKERSPACE

Makerspace Manager

Northfield, MN

September 2025 – Present

- Guided students in prototype design and fabrication using 3D printers, laser cutters, microcontrollers, and electronics tools.
- Maintained and troubleshoot equipment; provided technical support in CAD, soldering, and rapid-prototyping workflows.
- Supported interdisciplinary engineering, design, and creative-technology projects from concept to functional prototype.
- Trained new student employees on equipment safety, fabrication workflows, and lab procedures.

CARLETON COLLEGE – FOCUS PROGRAM

Physics Mentor

Northfield, MN

January 2026 – Present

- Mentored underrepresented STEM students in introductory physics, classical mechanics, and electricity & magnetism.
- Provided one-on-one and small-group academic support, adapting instruction to varied backgrounds and preparation levels.

SKILLS

- **Programming & Tools:** Python (NumPy, Pandas), R, C++ (basic), SQL, HTML, CSS, JavaScript, Git, Excel, LaTeX
- **Data & Modeling:** Monte Carlo Simulation, Statistical Analysis, Stochastic Gradient Descent, Probabilistic Models
- **Machine Learning:** Regression, Classification, Model Evaluation, Feature Engineering
- **Technical & Research:** Computational Modeling, Academic Research, Technical Writing, Data Visualization