

Miles Ehrlich

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EDUCATION

FORDHAM UNIVERSITY

BS, Math and Computer Science (CS Concentration) - GPA: 3.9
3-2 Dual Degree Engineering Program with Columbia University

New York, NY

2024 – 2027 (Expected)

- Planning to earn a second bachelor's in computer engineering from Columbia University (Expected 2029)

SHAKER HIGH SCHOOL

Advanced Regents Diploma with High Honors

Albany, NY

2020 – 2024

WORK EXPERIENCE

NY CREATES NANOTECH COMPLEX

INTERN

Albany, NY

Jun 2026 – Present

- Supporting vulnerability management operations, including automating ticketing workflows and building analytics scripts for reporting and tracking
- Contributing to indicator-of-compromise (IOC) hunting and other cybersecurity initiatives across the organization

OSTROFF ASSOCIATES INC.

LEGISLATIVE AIDE

INTERN

Albany, NY

Jan 2024 – Aug 2025

Jul 2023 – Jan 2024

- Identified and secured government grant opportunities for clients, contributing to increased project funding
- Collaborated on research and analysis of legislative and policy developments to form strategic counsel for clients

RESEARCH EXPERIENCE

FORDHAM UNIVERSITY

Undergraduate Research Lead

Dec 2025 – Present

- Leading research on "Adversarial Robustness of a Model Trained on the Augmented Dataset with Human Supervision" with faculty oversight; co-authoring an IEEE conference paper on the framework
- Implementing a multitask CNN with a dual-objective loss function jointly optimizing classification accuracy and image identity preservation, comparing baseline augmentation against a human-supervised augmentation gate across MNIST, CIFAR-10, and STL-10

PROJECTS

PROMPTLYPERFECT – AI PROMPTING EDUCATION PLATFORM | PromptlyPerfect.com (Live)

- Founded an interactive platform that teaches users to write effective AI prompts through tiered XP/streak learning, a live scoring sandbox, and a community prompt library
- Built full-stack with Node.js/Express, PostgreSQL, and the Anthropic API; implemented JWT + OAuth authentication and a Teams tier with role-based access and admin analytics for business users

ECOAUDIT – SUSTAINABILITY & IMPACT DASHBOARD

- Won First Place in the Environmental Track at Fordham's first RamHack for a platform that identifies brand sustainability and carbon emissions data in real-time
- Developed a vanilla JS product scanner using the Canvas API and ImageBitmaps for live perimeter-trace animation while analyzing frames with Claude Vision, integrated with Leaflet.js and Clearbit APIs

MINT – INTERACTIVE MEDIA BROWSER EXTENSION

- Developed a React-based browser extension at Columbia's DevFest hackathon that turns streaming media into a searchable, interactive shopping experience, allowing users to click and drag over objects in live video to identify products
- Integrated Google Gemini and Dedalus Labs APIs via a Python backend for image recognition and product matching

TECHNICAL SKILLS

Languages: Java, C++, Python, JavaScript, HTML, CSS, SQL

Frameworks & Tools: React, Node.js, Express.js, PostgreSQL, REST APIs, Git/GitHub, Tenable/PyTenable, Microsoft Office Suite, Google Suite, Overleaf

ADDITIONAL EXPERIENCE

COMPUTER SCIENCE CLUB, FORDHAM UNIVERSITY | Vice President | 2025-Present

LEUKEMIA LYMPHOMA SOCIETY (LLS) | Volunteer Fundraiser & Event Coordinator | 2022-2023

- Raised over \$15,000 in donations within two months through strategic outreach to local businesses.