

Emil Thomas Levin

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EDUCATION

Manhattan University, Riverdale, NY

Bachelor of Science (BS), Computer Science conc. AI & Machine Learning

Expected May 2025

GPA: 3.65 | Dean's List (2022 - 2025), Epsilon Sigma Pi, Tau Sigma Kappa

Coursework: Data Structures & Algorithms, Object Oriented Programming, Software Engineering, Cloud Computing & Virtualization, Cyber Security, Computer Networks, Operating System (Linux), Data Mining, Neural Network & Learning Systems

SKILLS

Languages & Frameworks: Python, C++, Java, Swift, HTML/CSS, JavaScript, Bash,

Tools: Git, Docker, Kubernetes, Jenkins, Flask, Power Apps, Power BI, Power Automate, REST APIs

Data & ML: SQL, MySQL, MongoDB, Pandas, NumPy, Scikit-learn, Neural Networks, R, MATLAB

Methods: Agile, Scrum, Jira

EXPERIENCE

Software Engineering Intern

Con Edison (Orange and Rockland Utilities), Spring Valley, NY

April 2024 - Present

- Replaced manual maintenance reports with a Power App that digitized forms, enforced validation, and auto-generated PDFs—eliminating missing documentation and cutting process time by 45%
- Automated PDF routing and email delivery based on compliance inputs, reducing manual distribution errors
- Designed and shipped a custom SF6 tracking tool to log cylinder refills, transfers, and losses across equipment—enabling the company to comply with new environmental regulations by tracking discrepancies and gas loss at each transfer point
- Built internal logistics app to centralize external crew requests, streamlining scheduling and improving vendor coordination
- Led QA testing, fixing form bugs and calculation errors pre-launch; trained ~20 users and documented workflows, resulting in 30+ reports submitted within the first month

Student Researcher

Manhattan University School of Science Summer Research, Bronx, NY

June - August 2023

- Built a Word2Vec-based model to identify missing attributes in SNOMED CT clinical taxonomy, reaching ~80% accuracy
- Developed Python/MySQL scripts to detect semantic gaps and structural inconsistencies in clinical records, supporting more standardized medical documentation
- Optimized data processing by indexing, normalizing tables, batching queries, and enabling caching, reducing latency

Peer Mentor (IT Associate)

Manhattan University Opportunity Programs, Bronx, NY

June 2022 - August 2023

- Provided on-site IDE setup and troubleshooting of software and hardware during student onboarding
- Led a team of 5 to host and coordinated technical workshops and sessions for 30+ incoming students

PROJECTS

Matrix Calculator App - Swift, SwiftUI, Objective C, C++, Git (version control)

- Built a matrix calculator in Swift with a performant C++ backend, supporting Gauss and Gauss-Jordan methods; handled validation for edge cases within defined matrix size limits
- Shipped with a custom UI (SwiftUI) for dynamic result rendering

Global Surface Temperature Prediction Using Neural Networks - Python (NumPy, Pandas), MATLAB

- Trained time-series models (MLPVN, MLP) on global climate data to predict surface temperature trends with >83% accuracy
- Visualized trends across decades using cleaned datasets, demonstrating consistent warming projections

Manga Scraper - Python, Flask, Scrapy

- Built a backend service to scrape and track updates for 900+ manga titles using multiple redundant sources
- Implemented anti-bot handling and failover logic; not deployed, but engineered for resilience and scale

LEADERSHIP

Club Secretary, Association for Computing Machinery Manhattan University Chapter, Bronx, NY

October 2022 – May 2024

- Spearheaded brainstorming sessions, building prototypes, coordinating and promoting 3 coding contests and 5 workshops

Co-founder/Product Owner, Aeon Scans, Digital Manga Company

May 2020 - August 2022

- Led 50+ remote volunteers across dev, design, editing, and translation to publish 15+ manga series with 3K–10K readers
- Built bots and dashboards to automate quality checks, project tracking, and recruitment—cutting manual tasks by 30%
- Oversaw content quality, handled team disputes, and grew an engaged community of 500+ users