

# Emil Thomas Levin

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## EDUCATION

**Manhattan University** (formerly Manhattan College), Riverdale, NY

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

May 2025

GPA: 3.68 | Dean's List (2022 - 2025), Epsilon Sigma Pi, Tau Sigma Kappa, Next in Merit for Computer Science Medal

**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

**Programming & Scripting:** Python, C#, JavaScript, Bash

**Data Management & Analysis:** SQL (MySQL, PostgreSQL), Power BI, Data Modeling

**Tools:** Docker, Git, Power Platform (Apps, Automate, BI), SharePoint, CI/CD fundamentals,

## EXPERIENCE

### Process Improvement Analyst

Con Edison [Contract], New York City, NY

September 2025 - Present

- Translated business requirements into scalable low-code solutions, workflow automations, and data pipelines integrated with Microsoft services, improving efficiency, reliability, and cross-system data integrity
- Designed and deployed automated routing, audit trails, targeted reminders, and a controlled interface for inter-company cash transfers, eliminating bottlenecks, reducing errors, and saving 12+ hours per month
- Overhauled Project Intake Power App with predictive enhancements, full project-tracking system, dynamic milestone logic, non-linear stage progression, priority scoring, multi-view layouts, and executive KPI dashboard, expected to cut manual reporting and provide real-time portfolio visibility

### Computer Aide Temp

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

April 2024 - June 2025

- 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%
- 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 UI bugs, performance lag, and calculation errors pre-launch; delivered onboarding sessions for ~20 users and documented workflows, resulting in field teams achieving 100% compliance within first 30 days post-launch

### 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

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

## PROJECTS

**SustainTrail App** - Kotlin, Jetpack Compose, Firebase Auth, Figma, Python, FastAPI, PostgreSQL, Docker, Git

- Built the full Figma design system and coded splash, login, and registration flows in Jetpack Compose + Material 3
- Containerized and deployed a FastAPI + PostgreSQL backend whose async endpoints serve trail and climate data
- Wrote Python ingestion jobs to pull, clean, and schedule-update third-party climate/event feeds, ensuring fresh, reliable data

**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

## 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%