Emil Thomas Levin

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EDUCATION

Manhattan University, 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, CI/CD fundamentals, Power Platform (Apps, Automate, BI), SharePoint

EXPERIENCE

Process Improvement Analyst
Con Edison [Contract], New York City, NY   September 2025 - Present
- Designed and deployed automated routing, audit trails, targeted reminders, and a controlled interface supporting inter-company cash transfers, eliminating bottlenecks, reducing errors, tightening data accuracy, and saving 20+ hours/month
- Translated business requirements into scalable low-code solutions, workflow automations, data pipelines, and interfaces with Microsoft services and external APIs, improving efficiency, process reliability, and cross-system data integrity
- Overhauled the Project Intake Power App with a full project-tracking system, dynamic milestone logic, non-linear stage progression, priority scoring, multi-view stage layouts, and an executive KPI-dashboard; cutting manual status reporting, streamlining project updates and document flow, and giving managers, clients, and dev teams 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

Machine Learning & Automation Research Associate
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%