Emil Thomas Levin

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SUMMARY

Computer Science major with 2+ years of professional experience in software engineering and automation in a large corporate setting. Proficient in Python, SQL, and DevOps, I've designed and developed internal tools to streamline operations. Leveraging Agile and cross-functional collaboration, I boosted system efficiency by 45% and cut manual tasks by 30% by automating and redesigning existing workflows. Passionate about driving innovation and delivering scalable, high-impact solutions.

EDUCATION

Manhattan University (Manhattan College), Riverdale, NY
Bachelor of Science (BS), Computer Science conc. AI & Machine Learning   Expected May 2025
Honors: Epsilon Sigma Pi, Tau Sigma Kappa, Dean's List every semester (2022 - 2025)
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 & Development: Python, C++, C, Java, JavaScript, Swift, R, Kotlin, HTML, CSS, PHP, REST API
Data Management & Analysis: SQL, MySQL, PostgreSQL, MongoDB (NoSQL), Neural Networks, Data Analytics
DevOps & Automation: Docker, Kubernetes, Jenkins, Shell Scripting (Bash), Power Platform (Apps, Automate, BI)
Project Management & Methodologies: Agile, Scrum

EXPERIENCE

Software Engineering Intern
Con Edison (Orange and Rockland Utilities), Spring Valley, NY   April 2024 - Present
● Automated report generation improving workflow efficiency by 45% and reducing document stagnation by 40%
● Designed and developed 3+ internal tools with Power Apps using Agile method, reducing errors and manual review by 60%
● Collaborated with cross-functional teams to build SF_6 inventory management system with tracking and discrepancy reporting
● Led QA testing, identifying and resolving critical defects pre-deployment, conducted user training sessions for 20+ end-users, and created comprehensive documentation and get-started guides for software to ensure seamless integration and adoption

Student Researcher
Manhattan College School of Science Summer Research, Bronx, NY   June - August 2023
● Designed a machine learning model (Word2Vec) based algorithm using Python and MySQL to analyze semantic similarities in a medical database, achieving 80% accuracy in identifying missing attributes
● Developed and implemented data validation procedures reducing errors in medical database ensuring data accuracy
● Optimized database queries, enhancing data retrieval speed and overall system performance by 30%

Peer Mentor (Tutor/IT Associate)
Manhattan College Opportunity Programs, Bronx, NY   June 2022 - August 2023
● Diagnosed and resolved issues with IDE setup, configuration, and troubleshooting of hardware and software issues on site
● Led a team of 7 to facilitate training sessions, technical and informational workshops for 30+ incoming students and members
● Mentored students in C/C++ and calculus, coordinated social events, managed a group of 5, and assisted with meal logistics

PROJECTS

Matrix Calculator App - Swift, Swift UI, Objective C, C++, Git (version control)
● Engineered a robust matrix calculation backend using object-oriented design in C++ with Objective-C++ bridging
● Implemented Gauss and Gauss-Jordan methods, achieving computation times up to 50% faster
● Designed and developed user interface components, dynamic result display integration by collaborating with a team

Manga Scraper - Python (Flask), Scrapy, GitHub
● Developed a scalable Flask app to scrape and track the latest chapters for 900+ manga titles across various platforms

Global Surface Temperature Prediction Using Neural Networks - Python (NumPy, Pandas), MATLAB
● Trained MLMVN and MLP models for time series forecasting, achieving over 83% prediction accuracy

LEADERSHIP

Club Secretary, Association for Computing Machinery Manhattan College 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
● Oversaw a team of 50, streamlined project management, recruitment, and automation, reducing manual tasks by 30%