

Emil Thomas Levin

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SUMMARY

Computer Science major with 2+ years of experience in software engineering and automation. Proficient in Python, SQL, and DevOps, with expertise in real-time control systems and workflow automation. Skilled in integrating technologies to enhance system efficiency and optimize business processes. Improved system efficiency by 45% and reduced manual tasks by 30%.

EDUCATION

Manhattan University (Manhattan College), Riverdale, NY

Bachelor of Science (BS), Computer Science conc. AI & Machine Learning, GPA: 3.65/4.0

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 SF₆ 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, SwiftUI, 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 MLMV 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%