

Israel Maslow - Preferred Name: Avi Maslow

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EDUCATION

Columbia University In The City of New York

Computer Science (BA)

Certifications: Network+, Security+, AWS Certified Cloud Practitioner, AWS Certified AI Practitioner.

WORK EXPERIENCE

Metropolitan Transportation Authority (MTA)

Technology & Engineering Fellow - Project Manager

Jan. 2025 – Present

New York City, NY

- Conducted internal risk assessments and data audits across 20,000+ IT assets to identify inactive devices and potential security gaps—optimizing lifecycle management and access control.
- Used Power BI and ServiceNow to detect, analyze, and report on unauthorized or inactive assets, resulting in a \$800K reduction in IT waste and improved security posture.
- Built predictive analytics dashboards to forecast hardware replacement cycles—analogous to proactive vulnerability and capacity management.
- Authored 10+ SOPs standardizing system access, asset tracking, and compliance reporting for 50+ field teams, aligning with cybersecurity and ITIL best practices.

Metropolitan Transportation Authority (MTA)

Sep. 2024 – Jan. 2025

IT Onboarding Intern

New York City, NY

- Developed and automated onboarding audit reports in ServiceNow, increasing “Day 1 readiness” from **60% to 80%**, improving provisioning security and minimizing user access delays.
- Resolved access request discrepancies and RITM record errors to ensure compliance with least-privilege access standards.
- Supported **IT security and HR** teams with KPI reporting, trend analysis, and performance variance metrics.

Hasc Center

Aug. 2020 – Sept 2024

Senior Direct Support Professional

Brooklyn, NY

- Managed medication administration, ensuring **HIPAA-compliant documentation** and secure handling of sensitive health data.
- Supervised and trained a 3-person team to ensure regulatory compliance and accurate recordkeeping across service plans.

Moneza Inc

Jun. 2020 – Aug. 2020

Data Acquisition Intern

New York City, NY

- Modeled and secured SQL databases for time-series financial data, implementing validation and aggregation pipelines with strong data integrity controls.
- Created scripts for volatility tracking and anomaly detection—experience directly transferable to **security event log analysis** and incident response.

Technical Skills

Programming: Python, SQL, C++ | Data Cleaning & Validation | Forecast Modeling

[My Deployed Apps](#) [Linkedin](#)

Tools and Platforms: MS Word, MS PowerPoint, Excel, ServiceNow, PowerBi, Power Automate, Sharepoint, AWS, GCP [Github](#)

Analytics & Visualization: Power BI (DAX, Data Modeling), Excel (PivotTables, VLOOKUP, Forecast Functions)

Projects

StudySpot NYC – Data-Driven Microservices Web Platform

Python • Flask • MySQL • Google Cloud Platform

- Designed and deployed three interconnected **RESTful microservices** (User, Review, Spot Management) using **Compute Engine** with secure authentication and data isolation practices.
- Engineered data pipelines for traffic and engagement metrics, integrating **logging, monitoring**, and API-level permissions.
- Applied role-based access concepts and API security protocols..