

DANIEL POPOOLA

BACKEND ENGINEER | ML ENGINEER

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PROFESSIONAL SUMMARY

Enthusiastic and fast-learning Computer Science student at ESTAM University, with hands-on experience in backend development, data analytics, and machine learning. Adept at designing and deploying scalable systems, automating workflows, and using data to drive decision-making. Passionate about solving real-world problems with clean code, intelligent systems, and secure, reliable infrastructure.

SKILLS

Programming: Python | JavaScript | SQL

Web Development: HTML5 | CSS3 | Django | FastAPI | Streamlit | Flask

Machine Learning: Scikit-learn | XGBoost | TensorFlow | PyTorch

Data Analysis: Numpy | Pandas | Matplotlib | Excel

Databases: PostgreSQL | MySQL

Tools & DevOps: Git | GitHub | Docker | Redis | Celery | NGINX | Prometheus | Grafana | UFW | Fail2Ban

EDUCATION

ESTAM University
May 2026

BSc Computer Science

Expected Graduation:

Relevant modules: Software Engineering, Data Science, Algorithms and Data Structures, Statistics, Systems Design

PROFESSIONAL EXPERIENCE

Software Engineering Intern

Tulcan Energy EPCL

June 2025 – July 2025

- Designed and implemented a full-stack Vendor Certificate Management System to automate compliance tracking and streamline certificate auditing.
- Managed the complete development lifecycle: product design, backend (Django, Celery, PostgreSQL), frontend (role-based Django templates), and deployment.
- Hardened server infrastructure with Docker, NGINX reverse proxy, UFW, and Fail2Ban; implemented monitoring with Prometheus + Grafana.
- Enabled secure role-based access for vendors, supply chain staff, legal, and executive stakeholders using Django's built-in auth system.

- Reduced manual processing time by over 70% and significantly improved audit traceability and compliance reporting.

MIS Hospitality Supervisor

Westgate Allied Business

Nov 2021 – Aug 2024

- Managed inventory and operations data, producing daily audit reports.
 - Improved process accuracy and contributed to streamlined reporting systems.
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PROJECTS

Retail Business Analysis Capstone – *Team Lead*

- Led a team of 5 to analyze customer data and provide actionable business insights.
- Improved operational productivity through data-driven decisions.

Portfolio Optimization – *Data Scientist*

- Retrieved stock data from NASDAQ and performed return optimization using Monte Carlo simulations and Scipy.

New York Jobs CEO Council Software Engineering Job Simulation on Forage – *Software Engineer*

- Completed a challenging simulation focused on debugging and developing features for the software engineering team.
- Resolved a critical bug in an automated billing system by skillfully identifying the root cause and developing an effective solution
- Improved user experience by developing a code that supports a note-taking feature on each invoice, enhancing communication and transparency between senders and recipients

Statify – *Full Stack Developer*

- Built a music data analytics tool using Spotify API to fetch user data and generate insights using OAuth-based authentication for secure access.