

Jino Nicolas

U.S. Citizen | notjinon.github.io | linkedin.com/in/notjinon

Education

Purdue University Aug 2023 – May 2027
BS in Industrial Engineering, Minor in Economics West Lafayette, IN
Certifications: Applications of Data Science (Purdue University,) Lean Six Sigma Green Belt (IISE)
Coursework: Machine Learning, Stochastic Models, Game Theory, Probability and Statistics I/II, Linear Optimization

Experience and Involvement

American Airlines Jun 2026 – Aug 2026
Airport Operations Intern (Performance Analytics) Fort Worth, TX

- Developed an individual performance scorecard for **12,000+ Fleet Service Agents across 11 major stations**, integrating safety, quality, timeliness, and customer metrics into a standardized framework for targeted coaching and performance management.
- Analyzed flight-level staffing and performance data at Phoenix to isolate leader and peer effects, finding bottom-quartile agents performed **4+ points better with higher-rated Crew Chiefs** and **21 points better when paired with top-quartile teammates**.
- Partnered with frontline leaders across **PHX, DFW, and CLT** to validate metrics against real-world operations and designed a modular, scalable framework for continued refinement and deployment across the airline network.

United Airlines July 2025 – December 2025
Industrial Engineering Intern (Transformation and Process Optimization) Newark, NJ

- Analyzed biometric departure performance—reviewing **5M+ scans across 12,500 flights** at the **5th-busiest U.S. international airport**; built a manager-focused Palantir Foundry dashboard for agent-level tracking aligned to Biometric Exit requirements, driving a **10% performance improvement in two weeks**.
- Led a cross-functional initiative conducting time studies and data mining on **late-call maintenance delays**, leveraging operational data to examine trends and eliminate over **250 delays** and recover **50+ yearly delay hours** at EWR alone.
- Migrated training and liability tracking systems for airline-wide Analytics and Innovation department (**200 employees**) from Spotfire to Power BI with Amazon Redshift backend, streamlining internal reporting.

Purdue University Department of Political Science January 2025 – Present
Undergraduate Research Assistant West Lafayette, IN

- Automated preprocessing and semantic embedding pipeline using Sentence Transformers to cluster **10,000+** Congressional staff taskings, reducing manual workload previously requiring months of effort to minutes.
- Analyzed **10M+** campaign finance records across **12 election cycles** to track donation patterns for state legislative candidates, linking individual contributions to party affiliation and primary/general election outcomes across all 50 states via fuzzy matching.
- Rebuilt analytics pipeline from flat CSV ingestion to a scalable, columnar Parquet format via DuckDB, cutting per-year query runtime of large datasets (**87GB+**) by **90%** with no loss in match accuracy or row-level coverage across candidate-donor pairs.

Purdue Filipino Association April 2026 – Present
President West Lafayette, IN

- Led the 9-person board behind a cultural social club of **100+ members**; budgeted **\$12K+** annually, managed external partnerships, organized **\$2K+** fundraisers, and oversaw logistics for multi-club events and **intercollegiate conferences**.

Projects

WiFi-enabled Transit and Weather Clock Personal Project, 2024

- Built a Raspberry Pi-powered dashboard integrating live transit APIs, weather data, and an LED matrix display for real-time commuter information, using **Raspberry Pi, Python, and GTFS-RT**.

Skills

Languages: SQL, Python, HTML, JS, R, C, CSS, PHP

Technologies: scikit-learn, SBERT, Git, MATLAB, Palantir Foundry, Power BI, Spotfire, thinkcell, Teradata SQL, Databricks