

ADEWUMI AUGUSTINE ADEPITAN

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Summary

Transport engineer blending analytics and machine learning with planning, logistics, and project management to solve real mobility problems. Driven by practical impact with experience across research and industry, I'm seeking a full-time role to apply these strengths, keep learning, and deliver measurable results.

Education

George Mason University, Virginia, U.S

2024 – Spring 2026

M. S., Sid and Reva Department of Civil Infrastructure and Environmental Engineering

GPA: 3.90

Relevant coursework: Traffic Engineering Modeling and Analysis, Infrastructure Modeling, Data Mining, Discrete Choice in Transportation, Linear Programming, Operations Research

Hasselt University, Belgium

2019 – 2021

Master's of Transportation Science, Specialization in Transport Policy and Planning

The two-year master's program widened my knowledge to gain more relevant experience in: Transport Policy and Planning, Engineering, Supply Chain, Demand and Supply, Intelligent Transport Systems, Transport Innovation, Sustainable Transportation, Transport Organization, Transport Safety, Transport Modeling, Tourism, Strategic Planning, Integrated Transport, Intelligent Transport.

Federal University of Technology, Akure

2012 – 2017

Bachelor of Technology in Transport Technology, Second Class (HONS) Upper Division

Gained relevant experience in Information Technology (Python), Maritime Transport, Air and Road Transport, Project Analysis, Transport Planning, Operations Management, Transport Insurance, Transport Law, Policy Formulation, Logistics, and Supply Chain Management.

Experience

George Mason University, Virginia, U.S

Jan 2024 - Til Date

Research Assistant

Civil, Environmental, and Infrastructure
Engineering Department
2024 - Present

- Conducted advanced research on pedestrian and cyclist safety, analyzing crash and near-miss datasets using ArcGIS Pro, Stata, and Python. (*Northern Virginia; near-miss vs. crash correlation ≈ 0.65 at intersections*)
- Performed before-and-after safety evaluations of roadway interventions such as Flashing Yellow Arrows and signalised intersections. (e.g., *average delay reduced*)
- Designed and implemented machine learning pipelines to classify incident narratives. (*Automated incident categorization used for hotspot/correlation analysis across the study area*)
- Co-authored TRB manuscripts, technical reports, and Reviewing. (*TRB 2026 submissions in progress*)

Teaching Assistant

CEIE 301 (Engineering Ecs), CEIE 370 (Construction Systems), CEIE 767 (Traffic Engr)
2024 - Present

- Graded assignments, led review sessions, and mentored students.
- Developed rubrics, feedback systems, and exam prep tools.
- Supported a writing-intensive engineering course.
- Facilitated interactive learning activities and provided one-on-one guidance.
- Managed course logistics for 100+ students using Blackboard and Zoom.

Transport Analyst and Supply Chain Lead

Nov 2021 – Nov 2023

Jetspeed Corporate Fuel Hechtel-Eksel, Belgium

- Planned and optimized daily transport routes, boosting on-time performance by 14%, optimizing routing by 11%, and lowering cost per delivery by 9%.
- Analyzed transport invoicing and briefed management, delivering 8% quarterly savings.
- Configured and testing warehouse systems, cutting delays 17% and handoff errors 29%.
- Collaborated with cross-functional teams to align planning data and schedules.
- Supported traffic and spatial assessments for infrastructure projects, including multimodal planning.
- Reviewed and developed site-circulation and traffic-operations plans for logistics centers.
- Used VISSIM, Synchro, QGIS, SketchUp, and BricsCAD for planning, modeling, and visual design.
- Advanced sustainable transport initiatives and infrastructure upkeep, reducing fuel use by 7%.

Skills

Data & Analytics

- Python
- Stata
- R
- Excel
- QGIS
- SQL
- ArcGIS Pro

Modeling & Simulation

- Synchro
- TransModeler
- VISSIM

Visualization & Reporting

- R Studio
- Tableau
- MS PowerPoint/Word

Management Skills

- Scrum/Agile
- Human Resource Management
- Project Management
- Strategic Planning
- Business Analysis

Certifications

- Human Resource Management
- Project Management
- Responsible Leadership

Languages

- English (Fluent)
- Yoruba (Fluent)
- Dutch (Intermediate)

Interests

- Reading
- Traveling
- Researching
- Playing Piano