

Dominic Williams

+23470-8612-8976 | dominicwilliamad@gmail.com | [linkedin.com/in/dominic-williams](https://www.linkedin.com/in/dominic-williams) | github.com/W-dominic

EDUCATION

University of Uyo

Bachelor of Science in Political Science And Public Administration

Uyo, Akwa Ibom State

July. 2021 – July 2025

EXPERIENCE

AI Extern (Wayfair)

Jul 2026 – present 2026

Extern (Remote)

- Built multiple AI agents using n8n to automate workflows for trend detection, competitor tracking, and AI-assisted marketing content generation.
- Conducted market and trend analysis within the home goods sector, identifying consumer demand patterns, style preferences, and competitor pricing strategies to generate structured business insights.
- Integrated outputs from multiple AI agents into an automated reporting workflow, enabling real-time monitoring and decision support.
- Leveraged workflow automation and AI tools to streamline data collection, analysis, and content generation for business intelligence applications.

AI/ML Extern (Outamation)

Mar 2026 – Jun 2026

Extern (Remote)

- Built modular AI-powered pipelines to process 200+ page mortgage documents using OCR (Tesseract, PaddleOCR), PDF parsing (PyMuPDF), and Retrieval-Augmented Generation (RAG) for data extraction, classification, and search.
- Developed a document retrieval system using LlamaIndex and RAG, optimizing performance through chunk tuning, metadata filtering, and evaluation of open-source LLMs (Mistral, Phi-2).
- Conducted end-to-end evaluation of document intelligence systems, benchmarking OCR accuracy, retrieval quality, and system performance across multi-document datasets.
- Produced a technical report outlining model trade-offs, optimization strategies, and deployment recommendations, and built a UI prototype for demonstration.

Data Analyst Extern (Beats by Dre)

Dec 2025 – Mar 2026

Extern (Remote)

- Conducted qualitative and quantitative research to analyze Gen Z consumer trends, behaviors, and preferences in the audio device market.
- Applied Python and data science libraries to perform sentiment analysis on consumer feedback across multiple audio brands using natural language processing tools.
- Developed data visualizations and dashboards to effectively communicate insights and support data-driven decision-making.
- Synthesized findings into actionable recommendations and presented results to inform business and marketing strategies.

SKILLS

Programming Languages: Python

Technologies & Libraries: Pandas, Object-Oriented Programming (OOP), PyTest

Research Tools: Microsoft Office Suite, Google Workspace

Professional Skills: Data Analysis, AI Engineer, Machine learning Engineer, Data science

Soft Skills: Leadership, Project Management, Critical Thinking

CERTIFICATIONS

CS50P: Introduction to Programming with Python — Harvard University, 2025 ([View Certificate](#))

Project Management Certificate — Udemy, 2025 ([View Certificate](#))