Prince Adufah

Urban Planner | GIS & Data Analyst | Sustainability Researcher

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SUMMARY

Urban planner and data analyst with nearly 4 years of experience in land use planning, GIS, and environmental and sustainability consulting in Ghana, France, and the United States. Master in Governing the Large Metropolis (Sciences Po) and BSc in Human Settlement Planning (KNUST). Uses ArcGIS Pro, QGIS, Python, SQL, R, and Power BI for spatial analysis and reporting. Prepared and presented a rezoning application that won municipal approval.

SKILLS

Planning: Urban Planning, Land Use Planning, Sustainable Land Use, Site Analysis, Master and Comprehensive Planning, Rezoning and Land Use Entitlements, Multimodal Transportation Planning, Community Development, Community Engagement, Stakeholder Engagement, Policy Analysis

GIS and Data: GIS, ArcGIS Pro, ArcGIS Field Maps, Geodatabases, QGIS, Google Earth Engine, Spatial Analysis, Mapping, Data Visualization, Statistical Data Analysis, Python, SQL, R, Power BI, Microsoft Excel, SPSS, Qualtrics, Jupyter

Research and Management: Qualitative and Quantitative Research, Monitoring and Evaluation (M&E), ESG and Sustainability Indicators (KPIs), Environmental and Sustainability Consulting, Project Coordination, Budget and Compliance Review, Technical Writing, Reporting, Microsoft Office, Adobe InDesign

PROFESSIONAL EXPERIENCE

ToumAI Analytics — Remote (Cannes, France)
Sustainability Analyst Intern — Feb 2023 – Aug 2023

- Developed the framework for a SaaS platform that measures the social acceptability of infrastructure projects and their geopolitical risk.
- Researched and compared ESG indicators, KPIs, and rating methods for sustainability assessments.
- Supported sales with ESG and impact demos, product trials, and client meetings.
- Wrote training decks and benchmarking summaries on sustainability in mining and construction, and on IFC Performance Standards for a telecom client.

Mastercard Foundation — Remote (Paris, France)
Senior Project Coordinator, Alumni Network Committee — Sep 2021 – Jun 2022

- Coordinated 8 networking events and professional seminars for the Ghana alumni network and represented the Foundation at each one.
- Audited each event for program compliance and use of funds, with budgets averaging $25,000.
- Managed vendors and sponsorship packages and kept every contract on schedule.
- Collected feedback from 400+ alumni members after events and used it to improve budgeting, planning, and data visualization.

60 Decibels — Remote (New York, USA)
Research Assistant (Contract) — Sep 2020 – Aug 2021

- Worked with senior researchers to set research questions, protocols, and data collection methods for social impact studies.
- Collected responses from 200+ interviews and focus groups with program participants under data protection rules.
- Cleaned survey data in Qualtrics and translated interview transcripts into English for research managers.

Optimal Change Partnership — Kumasi, Ghana
Project Officer (Part-time) — Oct 2020 – Aug 2021

- Set project scope, timelines, budgets, and staffing, and re-planned deliverables when priorities changed.
- Acted as liaison between management and contractors on goals, budgets, and deadlines.
- Interviewed 20 senior stakeholders and reviewed market trends and benchmarks for 9+ monthly and quarterly reports.

Propharm Chemists Ltd. — Kumasi, Ghana
Urban Planning Specialist (Independent Consultant) — Jan 2019 – Jul 2019

- Prepared a rezoning application to convert a 0.36 ha residential parcel to industrial use and presented it to the planning committee, including the municipal planner and staff. The Physical Planning Department approved it.

- Ran the site analysis, reviewed land use feasibility with stakeholders, and interviewed 10 adjoining neighbors for a neighborhood appraisal.
- Wrote the planning proposal and coordinated the project schedule through approval.

Kwame Nkrumah University of Science and Technology (KNUST) Kumasi, Ghana
Research and Teaching Assistant Aug 2018 – Aug 2019

- Mentored and supported 300 students as a teaching assistant in urban planning and transportation planning courses.
- Designed assignments and gave students one-on-one feedback on their planning work.

CARE International Kumasi, Ghana
Monitoring and Evaluation Intern Jun 2017 – Aug 2017

- Analyzed program data in SPSS for project estimates and projections.
- Recommended changes to the program's monitoring and evaluation methods.
- Ran training workshops in 7 beneficiary communities and set up 2 beneficiary groups.

Additional Experience
Enumerator, Vision Consult | Researcher, Digital Opportunity Trust

PUBLICATIONS

- Amankwaah, A. F., Boyer, W., & Adufah, P. (in preparation). The independent and additive associations of dietary fiber and protein intake on cardiometabolic health indices and all-cause mortality in individuals with diabetes: A cross-sectional analysis of NHANES 1999–2006. Journal of the Academy of Nutrition and Dietetics.

SELECTED PROJECTS

- Lincoln/Cypress Transit-Oriented Communities Plan, UCLA group project (2022): transit-oriented development (TOD) plan for a Los Angeles Metro station area. Built the GIS maps, benchmarked population, employment, and commercial densities against transit-supportive thresholds, and co-wrote the land use and parking recommendations.
- Benchmarking Sustainability in Free Trade Zones, Sciences Po capstone project (2022): benchmarked sustainable practices in four free trade zones and a sustainable district in Dubai, Abu Dhabi, and Ajman, UAE.
- Whose Revitalisation? Racial and Social Divides of Revitalization Programs in Detroit, 2014–2020, Sciences Po GIS group project (2022): mapped revitalization areas, income, and racial composition across Detroit to analyze the equity of investment and gentrification.

EDUCATION

Sciences Po Paris, France
Master in Governing the Large Metropolis (Urban Governance and Public Policy) 2021 – 2023
Summer School Jun 2019

University of California, Los Angeles (UCLA) Los Angeles, CA
Graduate Academic Exchange, Urban Planning Fall 2022
Coursework: Transportation Policy and Planning; Transportation and Land Use; Regional and Economic Development

Kwame Nkrumah University of Science and Technology (KNUST) Kumasi, Ghana
Bachelor of Science (BSc), Human Settlement Planning 2014 – 2018

CERTIFICATIONS

Data Science Program (Data Analytics, Python, Power BI, Statistical Analysis), ALX Jan 2025 – Feb 2026
Mastercard Foundation Scholars Convening, Ashesi University May – Jun 2017
Transforming Leadership and Governance Workshop, KNUST Oct 2014 – Feb 2015

HONORS AND AWARDS

President, Scholars Council, Mastercard Foundation Scholars Program, KNUST May 2018
Outstanding Student in Settlement Planning, KNUST Sep 2017