

Hussein Mahfouz

TRANSPORT RESEARCHER

Cairo, Egypt

✉ husseinmahfouz93@gmail.com | 🌐 Hussein-Mahfouz | 📄 hussein-mahfouz | 🐦 h_mahfouz

Education

University College London

MSC (DISTINCTION) IN SMART CITIES AND URBAN ANALYTICS

- Studied many aspects of quantitative geography, network analysis, and spatial data science
- Dissertation on prioritizing road segments for dedicating cycling infrastructure [github link].

London, UK

Sep. 2019 - Aug. 2020

The American University in Cairo

BSc (HONS) IN CONSTRUCTION ENGINEERING

- Focused on Structural Engineering and Project Management

Cairo, Egypt

Sep. 2011 - Jun. 2016

Work Experience

Transport for Cairo

RESEARCH ASSOCIATE

- Contributed in a research capacity towards a bus study in Greater Cairo.
- In charge of fieldwork for mapping entire formal and informal public transport networks of the Greater Cairo Region.

Cairo, Egypt

Sep. 2018 - Aug. 2019

Access to Knowledge for Development Center

RESEARCH ASSISTANT

- Carried out research on informal transportation on Cairo's Ring Road.
- Working on gaining insights into transportation sector through data-driven research.

Cairo, Egypt

Mar. 2018 - Sep. 2018

UN-Habitat

INTERN

- Worked on the mobility program which supported the government in shifting towards an integrated transportation system. Solutions included a BRT system, bike infrastructure and improved commuting information.
- Worked on the Land Readjustment project which provided inclusive solutions to the issue of urban sprawl on agricultural land.

Cairo, Egypt

Jul. 2016 - Dec. 2016

Technical Skills

Programming Languages: Python, R, Javascript (Basic).

Markup Languages: CSS, HTML, LATEX, RMarkdown.

Spatial Analysis and Cartography: R, QGIS.

Databases: MySQL.

Transport Related Data Standards: GTFS.

Publications

Multimodal network planning, identification of high capacity bus corridor and park and ride facilities in the Greater Cairo Region

WORLD BANK REPORT

- Hegazy, M., Kalila, A., Mahfouz, H. (2019). "Multimodal Network Planning, Identification of High Capacity Bus Corridor and Park and Ride Facilities." World Bank Group.

Report

08, 2019

Languages

Arabic: Mother Tongue.

English: Mother Tongue.

French: Basic.