John Michael Holopainen Hadaway
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Selected experience		
	MIT Senseable City Lasb	**Dubai, UAE**
	Visiting Student	September 2024 - February 2025

⋄ Researched the environmental impacts of food delivery systems for my master's thesis.
⋄ Worked with life-cycle assesment data and cleaned, explored, and performed spatial and network analysis on large geospatial data sets (Python: e.g., GeoPandas, PySAL, networkx, Folium).

Finnish Geospatial Research Institute (FGI)   **Helsinki, FI**
Assistant Research Scientist (Trainee)   June 2024 - September 2024

⋄ Worked on the frontend of a prototype (TypeScript: Angular, OpenLayers) of a drone-site planning tool for Baltic cities (CITYAM).
⋄ Developed server-side geospatial analysis scripts (Python: e.g., GeoPandas, Rasterio; Docker).

SPIN Unit   **Helsinki, FI**
Spatial Data Analyst   May 2021 - April 2024
Research Assistant   March 2019 - May 2021

⋄ Conducted geospatial data analysis and automated workflows (Python: e.g., PySAL, GeoPandas, networkx; QGIS; GeoDA; Google Compute Engine).
⋄ Consulted municipal and ministry clients with reports, presentations, and interactive data visualisations (JavaScript: React, Mapbox GL JS, D3; HTML; CSS).

Design Museum & Museum of Finnish Architecture   **Helsinki, FI**
Civil Service / Siviilipalvelus   September 2022 - August 2023

⋄ Integrated data systems for two merging museums, enabling automated KPI reporting using the Microsoft Power Platform (Power BI).

The University of Chicago, Department of Sociology   **Chicago, US**
College Research Fellow   January 2018 - May 2021

⋄ Analysed and visualised data (Python: Pandas, NumPy, Matplotlib) for Professor Marco Garrido's research on the illiberal turn in cities in the Global South.

Community Programs Accelerator   **Chicago, US**
Data Team, Project Consultant   October 2017 - October 2018

⋄ Analysed and visualised data (Python: Pandas, NumPy, Matplotlib; Tableau) as part of non-profit consulting engagements, recommending data-driven strategies.

Ernst & Young   **Manila, PH**
Summer Business Analyst   June 2017 - August 2017

⋄ Completed the EY Core Consulting program and wrote an R-based implementation of Otsu's method to extract building height information from satellite images.

Education		
	University of Helsinki & Aalto University	September 2023 - June 2025

Master of Social Sciences, Urban Studies and Planning. GPA 5.0/5.0.

Massachusetts Institute of Technology (MIT)   September 2024 - February 2025
Visiting Student, Department of Urban Studies and Planning.

The University of Chicago   September 2016 - June 2021
Bachelor of Arts, History. Major GPA: 3.97/4.0.

Skills	
	Skill areas: Data analysis, interactive data visualisation, GIS, research.

Programming languages and technologies: Python (e.g., NumPy, Pandas, GeoPandas, PySAL), R, SQL (PostGIS), JS (e.g., React, D3, Mapbox GL JS), TS (Angular), HTML, CSS, Docker.
Software: GeoDA, QGIS, Tableau, Power BI, Rhinoceros3D, Adobe Creative Suite, Figma.