Derek Taylor

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WORK EXPERIENCE

Spatial Design Hub (Spatial Design Hub)   **Aug. 2023 – Present**
GIS Developer   *London, UK*
- As a GIS Developer for the GIS Consultancy Spatial Design Hub my roles include:
  - Lead developer on for the web application Urban Access (frontend and backend) designed to assist transport planners with data analysis and site planning
  - Creating bespoke interactive dashboards to visualize complex datasets (including GTFS/TransXChange)
  - Processing data with the pandas/geopandas python package and PostgreSQL in search of compelling data stories within large datasets
  - Coding and creating interactive maps using MapBoxGL and Javascript (Svelte) with various functionalities and animations to enhance the visual storytelling

The Pudding (The Pudding)   **Aug. 2023**
Freelance Data Journalist   *London, UK*
- Selected as a freelance journalist for the online publication The Pudding to code, write, and produce a visual story on Climate Zones:
  - Worked collaboratively with staff members of The Pudding to storyboard and workshop ideas
  - Project is designed in Figma, coded in Svelte

Beyond Words Studio (Beyond Words)   **Oct. 2022 – Aug. 2023**
Freelance Data Visualization and GIS Specialist   *London, UK*
- As a data analyst for the data journalism and design firm Beyond Words Studio my roles include:
  - Collecting, cleaning, analyzing data to design physical map visualizations, including a Covid map presented at an installation for the Bill Gates Foundation
  - Building a 3D elevation model of Africa using open source satellite data, Rasterio, and Blender. Combining the model with farming system data in QGIS to give an insight to the relationship of climate and elevation on farming systems in the continent

Goudappel (Goudappel)   **June 2018 – June 2022**
Data Scientist and GIS Specialist / US Policy Researcher   *Amsterdam, Netherlands*
- As a data scientist for the Dutch transportation firm Goudappel I was responsible for:
  - Collecting, cleaning, analyzing, and visualizing real-world data from Dutch and international municipalities (including Amsterdam, San Francisco, and Gothenburg) using advanced python, SQL, and GIS techniques to present social, transportation, and environmental data (ex. Allocation of Public Space in the Netherlands)
  - Coding and writing data mapping stories on a strict deadline to better inform stakeholders about the context of projects (ex. A Brief Walk Through the History of Market Street)
  - Transforming technical and complex data outputs from transportation models into interactive and visually stimulating visualizations to better inform stakeholders in the planning process (ex. Data Mapping Examples)

EDUCATION

University of California, Berkeley   **Dec. 2017**
Bachelor of Science: City Planning, Geospatial Information Systems and Technology   *Berkeley, California*
- GPA 3.85, College of Natural Resources High Distinction
- Studied urban design in Copenhagen, Denmark during spring 2016 semester (Copenhagen University)

CERTIFICATIONS, SKILLS, LANGUAGES & INTERESTS

- **Certifications:** CS50x: CS50's Introduction to Computer Science (HarvardX), Algorithms Specialization (Stanford Online)
- **Skills:** Javascript, HTML, CSS, React, Svelte, D3.js, QGIS, Python, PostgreSQL, PostGIS, GitHub, scikit-learn, TensorFlow
- **Languages:** English (Native Language), French (B2), Dutch (B2)
- **Interests:** Biking, surfing, playing drums, saunas, chess, jumping into cold bodies of water