

Eva Tiffany Teo Aldridge

Data-driven Urban Planner

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EXECUTIVE SUMMARY

- Recent M.Sc [Urban Science, Policy and Planning] graduate specialising in data-driven urban planning and geospatial visualisation and analytics, with prior geospatial analyst internship experiences in the public sector.
- Proficient in GIS application and design knowledge, specifically in ArcMap and ArcGIS Pro; Competent in using ArcGIS analytical tools (i.e., ModelBuilder) for efficient geospatial data processing and using cartographic knowledge to create effective maps.
- Demonstrates strong and proactive team-working abilities in academia and co-curricular activities in university. Commended for good quality workmanship during undergraduate internships (URA & JTC) and work attachment with EDF Lab Singapore.

KEY SKILLS

Geospatial Data Analytics • ArcGIS (proficient) • ArcGIS Pro (proficient) • **Data Processing and Analytics** • Python (basic) • R (basic) • **Web-based Data Visualisation** • HTML and CSS (basic) • JavaScript (basic)

PROFESSIONAL EXPERIENCE

RESEARCH COLLABORATOR

January—April 2021

EDF Lab, Singapore

EDF Lab is under the R&D of major clean energy distributor EDF. The firm is involved with developing and spearheading solutions towards creating sustainable and smart cities.

- Collaborated with EDF Lab on producing 4 local and unique urban planning use cases for EDF's geospatial decision-support tool, City Application Visualisation Interface (CAVI).
- Conceptualised three scalable planning workflows to be used in conjunction with CAVI to better solve urban planning problems.

GEOSPATIAL ANALYST (CARTOGRAPHY) INTERN

May—October 2019

JTC Corporation, Singapore

JTC Corporation is a government agency overseeing sustainable industrial development and master planning in Singapore. The agency also drives innovation in the building and infrastructure sector.

- Proposed new base map cartography design for internal geospatial visualisation interface and introduced possible data automation model to update features on map base layer automatically using ArcGIS and ArcGIS Pro software.
- Explored potential of using ArcGIS Pro's 3D GIS in analysing BIM data to improve LPD data analytics workflow.
- Participated in multi-department group project collaboration with interns from other departments in the agency.

GEOSPATIAL ANALYST INTERN

May—August 2018

Urban Redevelopment Authority, Singapore

The Urban Redevelopment Authority (URA) is Singapore's national urban planning authority and is a statutory board under the Ministry of National Development (MND).

- Analysed local community events geospatial data as part of developing a site assessment framework for potential prototype layer on internal geospatial visualisation interface.
- Assisted internship mentor with MSF-URA Joint Lab project deployment under Digital Planning Lab department.
- Conducted exploratory analysis on data extracted from internal office social media site for internal stakeholders.

EDUCATION

Master of Science

- Urban Science, Policy and Planning • GPA: 4.7 • Singapore University of Technology and Design • Singapore • 2020-2021
- Awarded Ng Teng Fong-SUTD Graduate Scholarship

Bachelor of Social Sciences (Hons)

• Geography • Distinction (GPA: 4.1) • National University of Singapore • Singapore • 2016-2020

TECHNICAL SKILLS

Software

ESRI ArcGIS • IBM SPSS • MS Office • Visual Studio Code

Programming

Python • R • HTML + CSS • JavaScript

Others

Cartography • Web-based Data Visualisation • Field Research (Surveys and Interviews)

MISCELLANEOUS INFORMATION

Nationality: Singaporean

Languages: Fluent in spoken and written English; Basic proficiency in spoken Mandarin

Interests: Inline roller-skating, Aesthetic map making, Digital art

Availability: 1st September 2021 onwards