

# Eva Tiffany Teo Aldridge

## Data-driven Urban Planner

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### EXECUTIVE SUMMARY

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- 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

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**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

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#### 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

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#### 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**

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### **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**

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**Nationality:** Singaporean

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

**Interests:** Inline roller-skating, Aesthetic map making, Digital art, Point-and-Shoot photography

**Availability:** 1<sup>st</sup> September 2021 onwards