

# Maia Williams

## Spatial data specialist

### CONTACT

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2/29 Trusting Lane  
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### ONLINE

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[LinkedIn](#)

[Personal website](#)

[OpenStreetMap](#)

[Wikipedia and Wikidata](#)

### EDUCATION

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#### Master of Landscape Architecture

University of Western Australia  
2017 – 2020

#### Master of Science (Geospatial Technologies)

Universidade Nova de Lisboa and  
Westfälische Wilhelms-Universität Münster  
2009 – 2011

#### Bachelor of Engineering (Environmental) and Bachelor of Science (Physics)

University of Western Australia  
2000 – 2006

### EXPERTISE

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QGIS  
ArcGIS Desktop | Server | Online  
GPS devices | Fulcrum | QField

Basic SQL for spatial  
Basic PostgreSQL/PostGIS  
Basic Python

AutoCAD  
InDesign | Illustrator | Photoshop

ABS TableBuilder Pro

Interdisciplinary communication  
Scientific writing

### PROFILE

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I am experienced in spatial data analysis and spatial thinking, particularly within interdisciplinary contexts. I am technically proficient in data management, analysis and visualisation as well as being skilled in spatial concept communication. I thrive on continual learning, teaching and sharing. I am excited by investigating landscapes and systems within them – urban and beyond.

### PROFESSIONAL EXPERIENCE

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#### Senior GIS Analyst

Mammoth Geospatial | January 2022 – present

Data analysis, data collation and schema design, and GIS training material development. Working primarily with QGIS.

#### GIS Officer

Yilka Heritage and Land Care | August 2017 – present

Managing the spatial data repository, mapping, analysis, and field data collection. Working with QGIS, Sentinel Hub, Fulcrum, GPS, ArcGIS and ArcGISOnline.

#### Freelance Spatial Data Specialist

Various | August 2017 – present

Data collation, analysis, spatial application advice and tailored GIS training.

#### Guest Studio Tutor

UWA – School of Design | February 2020 – present

Regular guest tutoring in landscape architecture studios. Demonstrating relevant spatial data manipulation skills, and providing documentation.

#### Spatial Data Analyst/Designer

Syrinx | June 2018 – March 2022

Data analysis, mapping, field data collection and spatial application design. Worked with designers, engineers, software developers and field survey teams. Worked in QGIS, AutoCAD, Adobe suite and GitHub.

#### GIS Officer

Central Desert Native Title Services Group | June 2014 – July 2017

#### GIS Officer

Department of Water – Spatial Science and GIS Section | October 2013 – May 2014

#### Geospatial Systems Officer

Department of Planning | September 2012 – June 2013

#### GIS Project Officer

State Heritage Office | May 2012 – September 2012

#### Australian Youth Ambassador for Development (AYAD) Volunteer Researcher

Institute of Geoecology, Mongolian Academy of Sciences | 2008 – 2009

#### Environmental Officer

Department of Water – Salinity Section | 2007 – 2008

## VOLUNTEERING

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### Geogeeks

<https://geogeeks.org> | 2021 – present

Co-organiser of fortnightly open geospatial hack nights, speaker events and OSM mapping days.

### 2021 FOSS4G SotM Oceania - Perth Hub

<https://foss4g-perth.org> | 2021

Co-organiser of the two day FOSS4G SotM Oceania conference hub held in Perth, November 2021.

## AWARDS

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UWA School of Design studio prizes | 2017 and 2019

AILA Festival student representative | 2018

Erasmus Mundus scholarship | 2009 – 2011

Australasian Institute of Mining and Metallurgy Scholarship | 2000 – 2005

## PUBLICATIONS

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### Journal paper

Williams, M., Kuhn W. and Painho M. (2012). The influence of landscape variation on landform categorization, *Journal of Spatial Information Science*, Iss. 5, 51-73. Available at <https://josis.org/index.php/josis/article/view/30> (Accessed 27 June 2023).

### Conference paper

Williams, M. (2011). The influence of landscape variation on landform categorisation, *Geomundus - Münster 2011*, Unpublished. Available [here](#) and presentation [here](#).

### Dissertations

Master of Landscape Architecture Dissertation by Design, Part 2, October 2020. [Living. Beside the ridge. before the sea.](#)

Master of Landscape Architecture Dissertation by Design, Part 1, June 2020. [Such possibilities in the processes of place.](#)

Master of Science (Geospatial Technologies) Dissertation, March 2011. [Contribution towards understanding the categorisation of landforms.](#)

Bachelor of Engineering (Environmental) Honours Dissertation, October 2006. [A farm scale site selection method for dryland forestry.](#)

### Presentation

Presentation to the Wikimedia East, Southeast Asia and the Pacific Regional Cooperation (ESEAP) Hub meeting, 12 February 2023. [Populating Wikipedia: Keeping population figures up-to-date in place articles.](#)

### Blog post

Wikimedia Australia Wikidata Fellowship project summary, 21 July 2022. [Populating Wikipedia: New tool integrating Australian Census data.](#)

### Resources and documentation

Data analysis and spatial data resources developed for landscape architects. [resource repository.](#)