

# Maia Williams

## Spatial data specialist and educator

### CONTACT

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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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#### Skills:

Cross-disciplinary communication  
Scientific concept and technical teaching  
Design teaching  
Scientific writing  
Technical documentation

#### Software:

QGIS, GPS devices  
AutoCAD  
InDesign | Illustrator | Photoshop

#### Tools:

Wikidata  
ABS TableBuilder Pro

### PROFESSIONAL EXPERIENCE

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#### Freelance spatial data specialist

Various | August 2017 – present

GIS training, data collation and analysis, technical documentation and project setup.

#### PhD candidate

University of Salzburg, Austria | April 2024 – May 2025

Research on place attachment from environmental psychology and phenomenology perspectives at the Space and Place Lab, Faculty of Digital and Analytical Sciences.

#### Guest studio tutor

UWA – School of Design | February 2020 – March 2024

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

#### GIS Officer

Yilka Heritage and Land Care | August 2017 – March 2024

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

#### Research Officer (Geospatial Science) Level 5

Dept. Biodiversity, Conservation and Attractions | October 2023 – February 2024

Fire scar mapping using Landsat imagery.

#### Senior GIS Analyst

Mammoth Geospatial | January 2022 – July 2023

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

#### 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, ArcGIS and GitHub.

#### GIS Officer

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

Managed the spatial data repository, mapping, data analysis, and ArcGIS Portal setup. Worked with ArcGIS, GPS and Portal for ArcGIS.

#### 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

#### Environmental Officer

Department of Water – Salinity Section | 2007 – 2008

## VOLUNTEERING

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### Geogeeks

[geogeeks.org](https://geogeeks.org) | 2021 – 2024

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

### Kaleidoscope career mentor

[kaleidoscopeinitiative.com.au](https://kaleidoscopeinitiative.com.au) | 2022

Mentored people recently arrived in Australia and looking for work.

### 2021 FOSS4G SotM Oceania - Perth Hub

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

Co-organiser of the two day FOSS4G SotM Oceania conference 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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### Resource development

Spatial data analysis teaching resources and technical documentation developed for landscape architects: [resource repository](#).

### Blog post

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

### 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](#).

### Journal article

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).

### Dissertations

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

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

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

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