

Maia Williams

Spatial data specialist

CONTACT

2/29 Trusting Lane
White Gum Valley, 6162, WA

mw@maia.id.au

0412 267 802

ONLINE

[LinkedIn](#)

[Personal website](#)

[OpenStreetMap](#)

[Wikipedia and Wikidata](#)

EDUCATION

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

QGIS | ArcGIS
GPS devices | Fulcrum | QField

OpenStreetMap | OSMAnd | OSMGo

Basic SQL/PostgreSQL/PostGIS
Basic Python

ABS TableBuilder Pro
Wikidata

AutoCAD
Adobe InDesign | Illustrator | Photoshop

Interdisciplinary communication
Scientific writing | Technical documentation
Teaching

PROFESSIONAL EXPERIENCE

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. Teaching spatial data sourcing and 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

Spatial data analysis training and teaching resource development. Data analysis and collation, and software development.

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

Geogeeks

geogeeks.org, Perth | 2021 – 2024

Co-organiser of regular knowledge sharing meetups for geospatial professionals.

Kaleidoscope career mentor

kaleidoscopeinitiative.com.au, Perth | 2022

Mentored people recently arrived in Australia and looking for work.

2021 FOSS4G SotM Oceania - Perth Hub

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

Co-organiser of the two day conference held in Perth, November 2021.

Australian Youth Ambassador for Development (AYAD) volunteer

Institute of Geoecology, Mongolian Academy of Sciences, Ulaanbataar | 2008

Volunteer scientist. I taught spatial data management and analysis skills to local researchers.

Volunteer spatial data manager

Iracambi Rainforest Research Centre, Brazil | 2008

Managed the Centre's spatial data and the local counterpart.

Computer skills volunteer teacher

PCs for Refugees, Perth | 2007

I taught computer use and word processing skills.

AWARDS

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

REFEREES

Referee contact details available upon request.

PUBLICATIONS

Teaching resources

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

Wikidata Fellowship publications

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

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](#).

Academic 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](#).