

James Wilmot

Canberra ACT

jameswilmot.me

Professional history

UNSW Sydney Jun 2016–*present*
Research software engineer

supramolecular.org [bindfit](#): a web application for binding constant fitting.

opendata.studio: a software toolbox that makes publishing reproducible, interactive workflows simple

eResearch 2024

- Session chair: Research Data Managed and Published
- BoF workshop: Data and metadata standards for web publication of research data
- Lightning talk: Publishing research data with Frictionless data packages for reproducibility
- Poster: Case study: publishing an interactive, reproducible data workflow using Frictionless data standards

Supramol 2025 & 2024

- Poster (2025): Publishing reproducible, interactive binding constant analyses using FAIR data principles
- Poster (2024): Introducing opendata.fit - the next iteration of supramolecular.org

eResearch 2022

- Talk: Introducing opendata.fit: a FAIR data analysis and publication platform
- Poster: Introducing opendata.fit: a FAIR data analysis and publication platform

Biotext Jul 2017–Jan 2018
Web developer

Biotext are experts in writing, editing, publishing and design who specialise in the understanding and publication of complex information.

Collaborated with in-house designers and editors to design and build [Remediation](#)

[Australasia](#), reflecting the print publication's style and information architecture

MTP Services Jun 2018–Jan 2019
Web app developer (contract)

MTP Services is a Canberra based company specialising in IT contracting and recruitment, staff augmentation and project delivery

Upgrade of Plant Health Australia's AusPestCheck biosecurity webapp

Publicis Front Foot Sep 2015–Mar 2016
Senior developer

Senior Developer on gc2018.com website for the Gold Coast Commonwealth Games

Lead team which scaled to 5 developers, liaised with senior GOLDOC stakeholders, gitflow release management and feature integration

This Little Duck Sep 2014–Mar 2015
Web developer

This Little Duck was a software development studio based in Sydney

Worked on (now superseded) UNSW Newsroom and the UNSW Art & Design website

NICTA Nov 2011–Feb 2013
Research engineer

NICTA was Australia's Information and Communications Technology (ICT) Research Centre of Excellence and is now known as CSIRO's Data61

Benchmarked & implemented fastpath inter-process communication for small messages in the seL4 microkernel

Community

Canberra Makerspace Oct 2021—*present*
Executive Giralang ACT

Canberra Makerspace is a community run multi-use workshop and meeting space in Giralang.

Responsibilities:

- Workshop management, maintenance & organisation
- Insurance obligations and reporting
- Incorporated association reporting requirements
- Designed, implemented and deployed website (v2.0 coming soon!)

Y's-buys Aug—Mar 2020
Volunteer shop attendant Belconnen ACT
Y's-buys was an op shop operated by YMCA Canberra raising funds to support community services.

Responsibilities:

- Donation sorting, pricing & placing out for display
- Management of a fairly substantial book library
- Customer service

The Lab Jun 2014—Dec 2016
Mentor Dee Why NSW

The Lab is a network of technology clubs for autistic children and young people who enjoy working with computers.

Code Rangers Apr 2016—Nov 2016
Assistant teacher Sydney NSW

Code Rangers was an organisation providing coding lessons in schools.

Cana Communities 2015
Overnight stay volunteer Redfern NSW

Cana Communities is a not-for-profit charity working with men and women who are experiencing homelessness, addiction, imprisonment, mental health issues and other barriers that have prevented them from creating a positive life for themselves.

State Emergency Service Mar 2012—Jun 2014

Rescue volunteer Randwick NSW

The NSW State Emergency Service is a volunteer-based emergency service that is responsible for helping communities prepare and respond to floods, storms and tsunamis.

Qualifications:

- Senior First Aid
- Storm and Water Rescue
- Maintaining Team Safety
- General Rescue
- Radio Operation
- 4WD Operation

Primary Ethics Mar 2013—Dec 2014
Volunteer ethics teacher Daceyville NSW

Primary Ethics is an alternative to special religious education in New South Wales providing ethics classes for school-aged children.

In ethics classes, children are guided to develop their skills in critical thinking, ethical reasoning and respectful discussion.

Shack Tutoring 2008
Volunteer tutor UNSW Sydney

Shack tutoring is a volunteer tutoring service run by the University of New South Wales student organisation ARC.

NSW HSC subjects tutored:

- 2 Unit & Extension 1 Mathematics
- Physics
- Chemistry

Education

Bachelor of Science (Physics)

UNSW Sydney
July 2011