

# James Wilmot

Canberra ACT

[jameswilmot.me](http://jameswilmot.me)

## Professional history

**UNSW Sydney** Jun 2016–*present*  
Research software engineer

[opendata.study](https://opendata.study): a software toolbox that makes publishing reproducible, interactive workflows simple

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

CSIRO ON Prime 2025

- Performed 60 customer interviews
- Presented what we learnt and our insights at showcase
- Won facilitator's prize for our cohort

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](https://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

**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.*

[canberramaker.space](http://canberramaker.space)

Responsibilities:

- Workshop management, maintenance & organisation
- Insurance obligations and reporting
- Incorporated association reporting requirements
- Designed, implemented and deployed website

**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