

James Wilmot

Canberra ACT

PROFESSIONAL HISTORY

UNSW Sydney Research software engineer

JUN 2016–
current

Architected and implemented opendata.fit platform as part of a team, a web-based data analysis and publication platform focused on improving reproducibility in research and supporting FAIR data principles.

Implemented a novel approach to data portability and metadata management using and extending the Frictionless data standard.

PI: Prof. Pall Thordarson

Remote

MTP Services Webapp developer

JUN 2018–
JAN 2019

Upgrade of Plant Health Australia's AusPestCheck biosecurity webapp. Added data visualisation with amCharts.

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Biotext Web developer

JULY 2017–
JAN 2018

Collaborated with in-house designers and editors to design and build remediationaustralasia.com.au reflecting the print publication's style and information architecture.

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Publicis Front Foot Senior developer

SEP 2015–
MAR 2016

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

Sydney NSW

Lead team of 5 developers, release management using gitflow, liaising with stakeholders.

This Little Duck Web developer

SEP 2014–
MAR 2015

Worked on newsroom.unsw.edu.au & artdesign.unsw.edu.au

Drupal, PHP, jQuery, javascript, HTML5, CSS3, SASS, Susy2, semantic markup, responsive websites, git, gitflow

Sydney NSW

NICTA Research engineer

NOV 2011–
FEB 2013

Implemented fastpath inter-process communication for small messages in the SEL4 microkernel.

MISCELLANEOUS

Canberra Makerspace

OCT 2021–
current

Executive committee member part of a team revitalising the makerspace community after the COVID-19 pandemic. Responsible for grant writing, managing finances and developing a new membership model as well as running events to welcome new members.

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The Lab Dee Why Mentor

JUN 2014–
DEC 2016

Mentored young people with autism spectrum disorders with an interest in technology.

Sydney NSW

SES Randwick Unit Rescue volunteer

MAR 2012–
JUN 2014

Trained and served in the community as a rescue volunteer in the NSW State Emergency Service.

Sydney NSW

EDUCATION

Bachelor of Science (Physics) UNSW