

Sean PETERS

PROFILE

Generalist software engineer and technical leader (12 yrs). I build novel software stacks under high ambiguity and turn research ideas into impactful solutions.

DETAILS

🌐 sean-peters-au.github.io
@ sean.peters.au@gmail.com
🔗 github.com/sean-peters-au

PERSONAL INFORMATION

Citizenship: **Australia**

SKILLS

- Team leadership
- Mentorship
- Software development
- Research
- Operating in ambiguity

EXPERIENCE

SENIOR ENGINEER → TEAM LEAD → STAFF ENGINEER

Vow

2021—present

◇ Helped shape org-level technical strategy and build the end-to-end software, data, and automation stack for cultivated-meat R&D and production; mentored engineers in a small cross-functional team.

SOFTWARE ENGINEER

Children's Medical Research Institute

2018—2021

◇ Developed data-warehousing, QC, and analysis tooling accelerating cancer-research pipelines.

SOFTWARE ENGINEER

Atlassian

2015—2017

◇ Built internal monitoring, logging, and performance services on AWS for cloud products.

RESEARCH ENGINEER

Data61 / NICTA

2013—2015

◇ Benchmarked and optimised multicore seL4 microkernel variants; low-level concurrency and networking work.

EDUCATION

Bachelor of Computer Science (1st Class Honours) — University of Western Australia (2010–2013)

RESEARCH & PUBLICATIONS

AI Safety

- "AI Task Length Horizons in Offensive Cybersecurity" (2025) — [study](#)

Computer Science / Bioinformatics

- "A Case Study and Methodology for OpenSWATH Parameter Optimization Using the ProCan90 Data Set and 45 810 Computational Analysis Runs" – Peters S. *et al.* 2018
- "For a Microkernel, a Big Lock is Fine" – Peters S. *et al.* 2015
- "The Impact of JPEG2000 Lossy Compression on the Scientific Quality of Radio Astronomy Imagery" – Peters S., Kitaeff V. 2014
- "Improved Identification and Quantification of Peptides in Mass Spectrometry Data via Chemical and Random Additive Noise Elimination (CRANE)" – Seneviratne A. *et al.* 2021