

# Adrian Wedd

AI Safety Engineer & Independent Researcher

Cygnet, Tasmania, Australia

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## ABOUT

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AI Safety Engineer and Independent Researcher. Three years empirical research on frontier AI models, focused on red-teaming, evaluation frameworks, and failure-first methodology. Seven years translating complex technical findings into actionable insights for government decision-makers.

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## CORE COMPETENCIES

### AI Safety & Evaluation

Red-teaming, adversarial testing, failure-first methodology

### Frontier AI Models

Claude API, multi-agent systems, evaluation frameworks

### Risk Assessment

Pre-mortem analysis, FMEA, failure mode identification

### Policy Translation

Technical findings to actionable governance for decision-makers

## EXPERIENCE

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### Applications Specialist / Acting Senior Change Analyst

Homes Tasmania 2018 - Present

Complex socio-technical systems analysis for Tasmania's housing and community services portfolio. Developed Homes Tasmania's first Generative AI usage policy in 2023.

- Developed Homes Tasmania's GenAI usage policy, procedure, and training materials
- Led cybersecurity initiatives improving system security
- Systems integration and API development using RESTful APIs and Python

Python, PowerShell, JavaScript, RESTful APIs, Azure

## PROJECTS

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### ADHDo

GitHub

AI safety system with Claude integration, confidence gating, and multi-tool orchestration.

Python Claude API Safety Systems

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### Agentic Research Engine

GitHub

Multi-agent evaluation framework with LangGraph orchestration and self-correction loops.

Python LangGraph Multi-Agent Systems

SKILLS

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Programming Languages

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|                         |         |
|-------------------------|---------|
| Python                  | Primary |
| JavaScript / TypeScript | Primary |

AI & Safety

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|                       |         |
|-----------------------|---------|
| Frontier AI Models    | Primary |
| Red-Teaming           | Primary |
| Evaluation Frameworks | Primary |

Infrastructure

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|                     |         |
|---------------------|---------|
| Systems Integration | Primary |
| Cybersecurity       | Primary |

Research Methods

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|                   |         |
|-------------------|---------|
| Risk Assessment   | Primary |
| Technical Writing | Primary |

## ACHIEVEMENTS

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### **Failure-First Research Program**

Developed comprehensive failure-first evaluation methodology for agentic AI systems.

2022-Present

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### **Published Research: Organisational AI Governance**

Published research on structural barriers to acting on AI safety evidence in organisations.

2025

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### **AI Governance Policy Development**

Developed Homes Tasmania's first Generative AI usage policy and training materials.

2023

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### **Adrian Wedd**

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