William Ridge

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I'm an accomplished Solidity Engineer, proficient with modern tooling, design best practices, and confident in my ability to deliver secure and efficient smart contract code. Complementing these skills, my background in academia equips me with a unique perspective to think critically, and tackle any challenges that might arise. I'm very excited to continue contributing to the crypto-asset industry, and I look forward to chatting with you further.

Key Skills

- Solidity
- Hardhat (testing, deploying, scripting)
- Foundry (testing, deploying, scripting)
- Author (academic, technical)
- Researcher

- JavaScript/TypeScript
- Git
- Sway and Forc (moderate)
- HTML (moderate)
- Rust (moderate)

Employment

2022-Present: Freelance Solidity Engineer - Various Organisations

When building solidity smart contract systems I adopt an iterative and collaborative process that involves consultation, design, and testing in order to achieve the best possible outcome for clients.

- Consultation with key stake-holders to identify problems, success conditions, and time horizons.
- Write contracts from first principles in Foundry or Hardhat, using battle-tested utilities such as the OpenZeppelin or Solady libraries.
- Build a comprehensive testing suite, including invariant, fuzz, and fork tests, along with static analysis via Slither.
- Collaborate and contribute to the independent auditing process wherever necessary.
- Deploy the contract/s, verify them on block explorers, and transfer ownership rights if applicable.

Notable clients include Aelin DAO, Hashes DAO, Infinex, and Dawn Protocol.

2020-2022: Freelance Author - Various Organisations

Independent research, writing, and content creation for DAOs, often in the form of long-form articles, but sometimes also summarising pieces and memes for social media. This work built on my research and communication skills that I have built throughout my academic journey.

2018-2024: Research Assistant - Monash/Deakin/Melbourne University

Working as part of a team, I was responsible for organising and hosting economics experiments, data collection, and interpretation. I have also written many extensive literature reviews (many

exceeding 10,000 words) assisting international academic collaboration. The areas I have covered include the ethics of the digital environment, disinformation, civility, costly signalling theory, tourism ethics, norms, and the ethics of contentious monuments.

2016-2018: iOS Engineer - Independent Contractor

iOS development using Swift and Xcode, with several apps approved for the Apple App Store. Most notable work included the creation of an app suite for the Australian Department of Agriculture, assisting farmers in reporting infectious diseases in their livestock and produce.

Education

2021-2024: Doctor of Philosophy (100% Research) - Melbourne University (Awaiting Results)

80,000 word thesis addressing the ontology and evolution of money. I argue that the functional roles of money are evolving, and that this can be seen with the advent of crypto-monies. This work also addresses the rich history of monies, encompassing insights from the era of Mesopotamian clay debt tablets to the monetary reforms of the Russian revolution.

2018-2020: Master of Arts (100% Research) - Monash University

40,000 word thesis addressing collective action, social norms, and sacred values (a unique kind of moral value). In this thesis I argue that sacred values are structured so as to be particularly useful in the domain of collective action problems. Graduated with a first-class result (H1).

2017-2018: Honours in Philosophy (100% Research) - Monash University

10,000 word thesis addressing free-riding behaviour and the compulsory voting system in Australia. Graduated with a first-class honours result (H1).

2014-2017: Bachelor of Science - Monash University

Majored in Mathematical Statistics and Philosophy, minored in Physics.

Academic Publications

Ridge, William, "Liberalism's Religion, Cécile Laborde, Harvard University Press, Cambridge, Massachusetts, 2017,£ 25.95, 337 pp." Ratio 32.2 (2019): 159-162.

Bonotti, Matteo, Zech, Steven, Bardon, Aurelia, and Ridge, William, "Disaggregating Civility: Politeness, Public-Mindedness, and Their Connection," British Journal of Political Science, 2023.

Links

Github: https://github.com/0xCooki   Twitter: https://twitter.com/0x_cooki
Blog: https://medium.com/@william-ridge-95   Warpcast: https://warpcast.com/cooki