

# ADAM CARR

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*Mechanical Design Engineer migrating to the Web3 world, passionate about the decentralised future and its humanitarian implications.*

## EDUCATION

### **SWINBURNE UNIVERSITY, MELBOURNE**

Bachelor of Engineering (*Honours with Distinction*) (*Professional*), majoring in Product Design

March 2016 – November 2020

### **ENCODE**

#### **Solidity Web3 Bootcamp**

February 2023 - April 2023

An 8 week long intensive bootcamp with 6 hours of classes a week, weekend projects, and a final deliverable. This bootcamp covered diving into writing Solidity smart contracts, contract testing, deployment, Web3 front ends, NodeJS & NestJS backends. Gained close familiarity with: Ethers.JS, HardHat & React

#### **Solidity Foundations Bootcamp**

November 2022

4 week bootcamp solidifying the fundamentals of solidity and the Ethereum Virtual Machine

## EMPLOYMENT

### **ENVIRONMENTAL DRAFTING DESIGN & WEB DEVELOPMENT, FREELANCE**

January 2022 - Current

Design contracting in the Environmental sector, creating technical design documentation using the Adobe suite and 2D CAD whilst also aiding with web branding presence in web design and graphic branding.

### **OPERATIONS CONSULTANT & DEPLOYMENT TECHNICIAN,**

GREY INNOVATION

January 2021 – December 2021

Working as a subcontractor in a front facing role, engaging with investors and clientele for the implementation of emerging bio-tech products in the New Zealand market.

### **MECHANICAL ENGINEER, GREY INNOVATION**

January 2019 – May 2021

Starting off as an intern and moving up to a graduate in a fast-pace biotechnology commercialisation business. The role included mechanical design, stock management, and validation & verification experience in an innovative and dynamic workplace.

**LEADERSHIP AND  
EXTRA-CURRICULAR  
EXPERIENCE****FORMULA SAE, TEAM SWINBURNE**  
Swinburne university, July 2018 – Current

Member of Swinburne's extra-curricular formula SAE team which designs, engineers and constructs an electric formula race car each to compete in the Australasian division of the worldwide SAE competition. Currently I am part of a team working on a one-piece carbon fibre wheel design for the car.

**AWARDS |**

- Runner-up in industry partnered competition with Phoenix Tapware as part of Sustainable product design unit in 2017  
**W:** [www.phoenixtapware.com.au/](http://www.phoenixtapware.com.au/)
- Runner-up in global design competition run by Green Concept Furniture in 2017  
**W:** [www.greenfc.com/](http://www.greenfc.com/)
- National People's Choice Award for Swinburne University's Product Design Engineering Challenge 2015
- State winner for Victoria for Swinburne University's Product Design Engineering Challenge 2015  
**W:** [www.goo.gl/F1HpcU](http://www.goo.gl/F1HpcU)

**SKILLS & ABILITIES |**

- Javascript ES5, ES6
- Typescript
- React
- Solidity Smart Contract development
- Business communication skills
- Design thinking, systems thinking & problem solving
- Macro-economic interest
- Charismatic and outgoing attitude
- High mathematical and analytical ability
- CAD 3D modelling in SolidWorks
- CAD Finite Element Analysis (FEA)
- Knowledge of engineering and manufacturing principles
- Highly proficient in Adobe photoshop & illustrator
- Spanish (B1) and Japanese (A2) ability

**INTERESTS |** World travel, Hiking, bike touring, music production**REFERENCES |****JEFF HUGHES, SENIOR MECHANICAL ENGINEER****M:** +61 0407 849 393**E:** Jeff.hughes@Greyinnovation.com