Caelan Anderson

Professional Goals

I'm looking for an exciting position to apply my skills in software, physics and data.
I work to create things that enrich the world and lives of others.

Contact Details

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Website:
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GitHub:
www.github.com/caelan-a

Academic History

University of Melbourne
Bachelor of Science | Physics

Graduated 2020

Breadths in Linguistics

Suzanne Cory Highschool
VCE | Grad 2016

Graduated 2016

Certificates

DeepLearning.AI
Neural Networks and Deep Learning

Developed and applied a fundamental understanding of how to build multilayer neural networks for deep learning

Quantium
Quantium Data Analytics Virtual Internship

Developed and applied practical data analytics skills using R with RStudio

Work Experience

Software Engineer
Melbourne Space Program | 2020 - Present

- Worked in the AI and Robotics team focussing on the Autonomous Mars Rover project. I developed systems for ground segmentation and object detection to be used in SLAM, including both classic algorithmic and machine learning approaches. (Python, C++)

Software Developer & Designer (Self Employed)
Apollo App Development | 2018 - Present

Melbourne based app development using Flutter and other technologies to create fast and beautiful solutions for small and medium business. Clients include companies in software, retail and education across Europe and Australia. Have completed contract work for **The University of Melbourne, ROBAWS (Belgium), Luxe Watches (UK)** and **MTR Ltd (UK)**

Technologies include:
- Flutter and Google Cloud Suite (Firebase/Firestore, Google App Engine, Cloud Functions).
- Wordpress (custom plugins, interfacing with existing plugins)
- Custom REST APIs
- ReactJS (web apps that interface with existing backends)

Analyst
National Australia Bank| 2017 - 2018

- Working in Financial Crime Services I became proficient in data analysis across a variety of specialised tools.
- Involved in brand new department and helped build procedure to be used by subsequent analysts.
- Accustomed to rapidly changing work procedures driven by changing data requirements

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Skills

Programming [Python, C++, Dart, Java, R, HTML/CSS/JS, SQL]
Research methods, data analysis
Low voltage electronics, 3D prototyping with Fusion360
Design skills in Adobe Illustrator & Photoshop
Music Production & Performance | Jazz Piano, Guitar, Saxophone