

Fredrik James Collyer



Native Languages: English & Norwegian

Nationality: Norwegian

Socials: Icons top right. Alt contact: collyerfj@gmail.com

Experience

National Technical Director

The Australian Workers' Union - Full-time

Jan 2023 - Present

Remote - Sydney, New South Wales, Australia

- Optimized and managed databases using *MySQL* and *NetSuite*, leveraging *SQL* and *SuiteScript*.
- Leveraged *AWS* cloud services to deploy, monitor, and scale applications.
- Programmed automation scripts and tools in *Python* and *JavaScript* to optimize various operational processes.

Soldier

Royal Norwegian Air Force - Full-time

Aug 2020 - Sep 2021

On-site - Oslo, Norway

- Collaborated in diverse teams, honing communication and teamwork skills.
- Engaged in tactical problem-solving scenarios, requiring rapid adaptation and critical thinking.
- Managed and maintained sophisticated military equipment, showcasing attention to detail.

Education



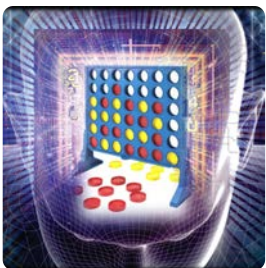
University of Sydney

Bachelor of Computer Science

Jan 2022 - Apr 2023

Dalyell Scholarship Student

Projects



Deep Q-Learning Connect4 AI

Developed an AI model leveraging *PyTorch* and *Deep Q-Learning* techniques that learned Connect 4 through self-play. Users can challenge the AI on the website. The model trained autonomously without human-play or external data input. An *API*, hosted on *Google Cloud Run*, serves the AI's moves in real-time during gameplay.

[Website](#)[Code](#)[Demo](#)

Crypto Dashboard Web App

Created a dynamic dashboard using *React* and *Tailwind CSS* to display real-time cryptocurrency data. Integrated *Firebase* for backend operations and user authentication. Leveraged the *React Context API* for seamless state management.

[Website](#)[Code](#)[Demo](#)