

Fredrik James Collyer

Software Engineer

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Skills

Python, JavaScript, TypeScript, HTML, CSS, React, React-three/fiber, Three.js, Redux, Next.js, Node.js, Flask, Deep Learning, Machine Learning, PyTorch, API Development, Google Cloud Platform, Tailwind CSS, Firebase, React Context API, Git, GitHub, JSON, REST APIs, Database Management, SQL, NoSQL, MongoDB, PostgreSQL, MySQL, Docker, AWS, NetSuite, Java, C, C++

Work Experience

National Technology Director

Jan 2023 - Present

The Australian Workers' Union — Full-Time

- Optimized and managed databases using MySQL and NetSuite, leveraging SQL and SuiteScript.
- Developed and maintained responsive websites using React, TypeScript and Tailwind CSS.
- Leveraged AWS cloud services to deploy, monitor, and scale applications.

Software Engineer

Jan 2021 - Dec 2022

Cipher Technologies — Full-Time

- Developed full-stack web applications utilizing React, Tailwind CSS, and TypeScript.
- Engineered backend solutions with MySQL, PostgreSQL, and Firebase to ensure data integrity and scalability.
- Leveraged React Three Fiber for advanced 3D graphical features.

Soldier

Jan 2020 - Dec 2020

Royal Norwegian Air Force — Full-Time

- Elected and served as troop commander of 50 soldiers.
- 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
- Dalyell Scholarship Student

Langhaugen High School

- High School Diploma
- 99.75 ATAR, 4.0 GPA

Projects

Deep Q-Learning Connect4 AI (Python, Deep Learning, PyTorch, Flask, Google Cloud Platform)

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

Mental Health Campaign Website (HTML, CSS, JavaScript, Netlify CMS)

[Website](#)

Crypto Dashboard Web App (React, Firebase, Tailwind CSS, React Context API)

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