

Cody Ross

E-mail: codyross0@protonmail.com

GitHub: [co-decode](#)

Website: cody-ross.com

SKILLS

Tools - VC: Git , Github | TDD: Jest , Cypress | CI/CD: Netlify , Railway , Github Actions

Front-End - Typescript | Javascript | React | HTML5 | CSS3 | Figma

Back-End - Node | Express | PostgreSQL | MongoDB | RESTful API | GraphQL

OPEN-SOURCE PROJECTS

Bugheist.com - Contributor [Commits](#) - [Issues](#) - [Code](#) - [Site](#)

Tailwind / Bootstrap / Django

The OWASP Foundation's Bug Logging Tool, encouraging everyone to help fix and secure the internet

- Building and styling components to design specification and fixing UI bugs.

PERSONAL PROJECTS

Weightlifting Log [Code](#) - [Video](#) - [Site](#)

React / Postgres / Docker / Jest / D3 / bCrypt / PassportJS

An application for users to track and visualise their weightlifting data

- Optimised response times on modest server resources with efficient SQL queries to database with over 30 tables.
- Secured user data with bCrypt and managed client sessions with PassportJS.
- Built graph and calendar components with D3 and ChartJS for visualisation and analysis of data.

My Fitness Store [Code](#) - [Video](#) - [Site](#)

Typescript / React / Bootstrap / Node / MongoDB / GraphQL

An eCommerce demonstration with functional shopping cart and order submission to database

- Designed to be fully responsive, with login authentication and form validation.

Connect Four Game [Code](#) - [Video](#) - [Site](#)

Typescript / React / NextJS / Socket.io / Cypress

A serverless demonstration of web sockets and a continuous integration workflow

- Fully end to end tested, automated to run on each push to repository.

Sheet Music Generator [Code](#) - [Video](#) - [Site](#)

Javascript / CSS

A tool for learning to read and play sheet music

- Crafted authentic sheet music visuals with specialised fonts and animation.
- Synthesised audio with the native Audio API to play the generated sheet music.

EDUCATION

Master of IT: Computer Science - University of Southern Queensland

ongoing

Including: 9 units on Software Development, 7 units on Network Engineering

Bachelor of Biomedicine - The University of Melbourne

2017

Including subjects on: Linear Algebra, Statistics, Physics, Chemistry

HOBBIES *I enjoy dabbling in:*

Linux, Bash, C, Rust, Assembly, groff and self-hosting my own website and email server.

WORK EXPERIENCE

Early Learning Specialist

2018 - 2022

Remediating young students disadvantaged by Dyslexia or other learning difficulties

Senior School Tutor

2014 - 2022

Teaching Mathematics, Technology, English and the Sciences

ACHIEVEMENTS

GAMSAT Medical Admissions Test

Top 0.8%

ATAR - Australian Tertiary Admissions Rank

99.80 - Top 0.2%