DANE WALKER

Mechatronics Engineering / Computer Science Student

EDUCATION

Feb 2022 - Present | Brisbane, Australia

Queensland University of Technology

Bachelor of Engineering (Honours) in Mechatronics Engineering

Feb 2020 - Present | Brisbane, Australia

Queensland University of Technology

Bachelor of Information Technology in Computer Science

EXPERIENCE

Jun 2022 - Jul 2022 | Brisbane, Australia

Swyftx

Winter Internship

- Part of a team to develop a cryptocurrency subscription bundle application.
- Led the **backend** team in developing a **REST API** using **Golang** that communicates with the **Swyftx API** to fetch cryptocurrency information and helped the frontend team interface the **UI** with the **backend**.
- Successfully completed the application providing an easier entry into cryptocurrency for less experienced customers.
- Technologies Used: Golang, MongoDB, Docker, Github, VSCode.

PROJECTS

Feb 2022

MNet

github.com/danecwalker/MNet

- Simple feedforward MNIST neural network model build with **Python** and **PyTorch**.
- Deployed to **Heroku** using **Flask** and **Gunicorn**.
- Technologies Used: PyTorch, Flask, Python, HTML, CSS, Heroku, Github, VSCode.

Feb 2022

Crypto Tracking App

github.com/danecwalker/CryptoTrackingApp

- Cross platform mobile application for tracking the prices of cryptocurrencies. A **React Native** project using **Typescript** that leverages **Reanimated** and **WAGMI Charts**.
- Consumes the **CoinGecko Free API** to fetch information for over 12,000 cryptoassets.
- Technologies Used: React Native, Typescript, HTML, CSS, Yarn, Github, VSCode.

Feb 2022

Assignment Breakdown App

github.com/danecwalker/Assignment-Breakdown-App

- iOS application that helps student manage their assignments. Uses **Swift** for business logic and **SwiftUI** for the user interface.
- Based on the Assignment Calculator provided to students by the Queensland University of Technology.
- Technologies Used: Swift, SwiftUI, Github, XCode.

Oct 2021

Go Auth

github.com/danecwalker/GoAuth

- A simple **Golang** implementation of **JWT** authentication for **AWS Lambda** functions.
- Technologies Used: Golang, Amazon Web Services, Github, VSCode.

May 2021

File Transfer

github.com/danecwalker/FileTransfer

- A minimal local file transfer website using **Pug HTML** and **ExpressJS**.
- Generates QR Codes as a way to share file links.
- Technologies Used: Pug HTML, ExpressJS, NPM, Node, Github, VSCode.

EMAIL

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LINKEDIN

linkedin.com/in/danecwalker

GITHUB

github.com/danecwalker

Referees are available upon request.

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PROJECTS

Apr 2021

Blocky Notes

github.com/danecwalker/Block-Based-Notes

- A **ReactJS** note taking website inspired by Notion.so.
- Deployed to Heroku using Node.
- Technologies Used: ReactJS, HTML, CSS, Yarn, Heroku, Github, VSCode.

ADDITIONAL

Feb 2020 - Present | Scenic Rim, Australia

Downer Group

Lifeguard and Gym Attendant

- Baseline Security Clearance
- HTLAID001 Provide Cardiopulmonary Resuscitation.
- PUAEME001 Provide Emergency Care.
- PUAEME003 Provide Administer Oxygen in an Emergency.

Feb 2019 - Oct 2019 | Gold Coast, Australia

Griffith University

1000ENG Griffith Engineering

- Tasked to design a product that would solve a real world problem.
- Led a team where we designed a powered exoskeleton for wheelchair users to regain the ability to walk.
- Researched and designed exoskeletons and wheelchairs to identify potential issues in the design.
- GUESTS Achiever
- GUESTS Member

May 2018 | Gold Coast, Australia

Griffith University

GriffithBUSINESS Ambassadors Program

- Attended a business workshop where we were tasked to develop a business idea.
- Part of a team where we developed and researched app ideas and potential stakeholders.

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