Lachlan Wright

linkedin.com/in/lachlanbwwright | github.com/lachlanbwwright
lachlanbwwright@gmail.com | 0499 469 600

Career Objective

I am currently undertaking a Bachelor of Software Engineering at UTS, due to be completed in 2024. I am passionate about all aspects of software development, and am looking to specialise in full-stack web development. I am looking for employment opportunities to further my existing competencies, and to improve my capabilities with new technologies and frameworks.

Education & Certifications

Bachelor Of Engineering (Honours) (Software Major)   (Feb 2020 - Jun 2024)

University of Technology Sydney: Academic Transcript | Dean's List Certificate

- Attained a total of 147 Credit Points.
- Achieved a Weighted Average Mark of 85.62%, and a distinction-level Grade Point Average of 6.41/7.00.
- Obtained position on the 2022 Dean's List, met requirements for pending 2023 Dean's List.

Microsoft Certified: Azure Fundamentals   (Jul 2021)

Microsoft: Digital Certificate

- Demonstrated foundational knowledge of cloud services and how those services are provided with Microsoft Azure.

Employment & Experience

Proactive Services Team Member (Casual Employment)   (Sep 2022 - Present)

Woolworths (Leura, NSW)

- Exhibited strong dedication and consistent performance.

Software Engineer (Internship)   (Nov 2023 - Feb 2024)

Chaos1 (Sydney, NSW)

- Developed a website utilising ReactJS a MERN stack, SocketIO,
- Used Jotai, Immer, and Tanstack Query (React Query) libraries for state management.
- TailwindCSS, and Quill.
- Continued development from an existing codebase.
- Provided mentoring and feedback for team members.
- Implemented a testing suite using end-to-end with Cypress, automatically run before integration using GitHub Actions.

Portfolio

ReactJS Website – Cryogenic Wiring Simulation

Software Development Studio Project (University of Technology Sydney): Video Demonstration

- Created a React website to provide a visual means of interfacing with an existing Python model.
- Used Pyodide to allow interactions with the Python model to be performed on the client-side.
- Utilised the Python-based Flask for hosting, allowing for interactions with the model over a REST API.

- Utilised the Recharts library for React to visually depict the model's outputs.

NextJS Website – Online Exam System

Software Design Studio Project (University of Technology Sydney): [Repository](#)
- Created a mock website for the online invigilation of exams.
- Used NextJS, tRPC, Prisma, Tailwind CSS, NextAuthJS libraries.
- Made comprehensive contributions across the entire technological stack.
- Provided advice, feedback, guidance, and performed code reviews in a collaborative environment.

Node.JS Application - "LBWW Deal Scanner"

Personal Project: [Repository](#)
- Developed a NodeJS-based application written in TypeScript, utilising Puppeteer, Axios, and Mongoose NPM packages.
- Collected information from retailers with Puppeteer and Axios, sending a chat-app notification if a deal is found.
- Utilised MongoDB to store search queries for specific retailers, to be automatically scanned periodically.

MERN Stack Website, React Native Application - "MERN Mafia"

Personal Project: [Video Demonstration](#) | [Repository (Website)](#) | [Repository (Mobile Application)](#)
- Created an online chat-based game built with a MERN stack, alongside a React Native app as an alternate frontend.
- Used JavaScript and Bootstrap to construct the MERN Stack, and TypeScript to construct the React Native application.
- Constructed an object-oriented backend for handling game logic, making use of polymorphism.
- Implemented the SocketIO package for handling user-server communication using WebSocket connections.
- Utilised ReCAPTCHA V3 verification and interfaced with a MongoDB Database using Mongoose.

Flutter Application - Public Transport Timetable Application

Personal Project: [Repository](#)
- Developed a mobile application for viewing public transportation timetables in NSW.
- Developed interfaces with Transport for NSW's OpenData API.

Technical & Core Skills

Languages
TypeScript, JavaScript, Python, Dart, Java, C.

Frameworks And Libraries
ExpressJS, ReactJS, React Native, Flutter, Flask, Bootstrap, Tailwind CSS, Recharts, SocketIO, Pyodide, Puppeteer, Mongoose.

Software
VS Code, IntelliJ, Microsoft Office, Microsoft Azure Portal, Jira.

Design skills
Demonstrated by an effective performance in the development of highly-graded projects across multiple subjects.

Team skills
Demonstrated by an effective collaboration and performance regarding highly-graded group projects across multiple subjects.

Communication skills
Demonstrated by effective communication in group-oriented assignments during the bachelor's degree.

References

Referees are available upon request.