

# Matthew Clarke

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<https://matthew-clarke10.github.io/portfolio/>

## SOFTWARE ENGINEER | WEB DEVELOPER

Software Engineer specialising in full-stack web development to create robust, user-friendly, and secure web applications. Proficient in web technologies such as HTML, CSS and Tailwind CSS, JavaScript and TypeScript, React, NextJS, and NodeJS, programming languages such as Python, Java, and C#, and modern technologies such as GitHub, AWS, and Docker.

## Education

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### Bachelor of Software Engineering (Honours)

University of Newcastle (2021 – present) – expected to complete November 2024, GPA 5.9

### HSC Certificate

Whitebridge High School (2015 – 2020)

- Represented my school on the top board of the chess team.

## Relevant Experience

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### Software Engineering Work Placement

University of Newcastle | March 2024 - now

(Approximately 10 hours per week in semester 1 and 20 hours per week in semester 2)

- Supervised and managed a real-world project's development.
- Planned the project using a Gantt chart and kept track of progress using Jira.
- Designed the project using UML diagrams and maintained documentation using Confluence.
- Used the agile development methodology to streamline development and finish an initial prototype using HTML, CSS, JavaScript, NodeJS, and PostgreSQL.
- Integrated the application with third-party tools such as Canvas LMS and Google Wallet.
- Refactored the code to use React and AWS services through LocalStack.

## Other Experience

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### Team Member – Food Service

KFC Warners Bay | January 2021 – September 2021

(Approximately 10 hours per week casually)

- Prepared and cooked food in the kitchen, and performed routine cleaning.

- Communicate with other team members to meet deadlines during busy hours and prioritise orders.

## Projects

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### Third Year Project

University of Newcastle (2023)

- Worked in a team of six to develop and test a full-stack web application.
- Utilised modern technologies such as React, NextJS, NodeJS, and PostgreSQL.
- Managed the code in GitHub with multiple branches, and facilitated project management and task division using Azure DevOps.

### ChessPuzzler Personal Project

- Created a web application that allows users to solve chess puzzles.
- Used technologies like HTML, Tailwind CSS, JavaScript, and React.

## Certifications

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- Responsive Web Design, freeCodeCamp | September 2023.

## Interests

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- Playing and studying chess.
- Tennis and rock climbing.

## Referees

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Mr. Josh Flynn  
Solutions Developer  
University of Newcastle  
M: 0249 215 605  
E: [josh.flynn@newcastle.edu.au](mailto:josh.flynn@newcastle.edu.au)

Mr. Cameron Wells  
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