**ZEYU CUI**

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[https://zeyu‑portfolio.vercel.app](https://zeyu-portfolio.vercel.app)

**Career Objective**

Motivated Web Developer with one year of experience in building responsive and user-friendly web applications. Currently in the final semester of a postgraduate degree in IT with a major in Software Development. Skilled in HTML, CSS, JavaScript, and modern frameworks. My goal is to enhance my skills while actively contributing to impactful and innovative IT projects.

**Education**

**Master of Information Technology (Software Development) February 2022 - November 2024**

**University of Technology Sydney (UTS)**

* GPA: 6.46/7
* Course Highlight : Database design, Interaction design, IOS development, Internet programming, Dot net Development, Cloud Computing

**Bachelor of Marine & offshore Engineering February 2017 - November 2020**

**University of Tasmania**

**Technical Skills**

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| **Language:** | Javascript/Typescript, PHP |

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| **Frameworks/Tool:** | React.JS, Node.JS, Next.JS, Redux, Express, TailwindCSS, Git, Figma, AWS Elastic Beanstalk |

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| **Database:** | MongoDB, PostgreSQL, MySQL, Supabase/FireBase |

**Work Experience**

**Web Developer Intern April 2024 - July 2024**

**Evaheld, Ultimo, Sydney**

* Built advanced care plan section and partnership page using React, Next.js, and TailwindCSS, ensuring responsive design for both mobile and desktop views based on UI prototypes.
* Refactored 23 legacy content and care planning forms using React Hook Form, enhancing data management and page consistency. Ensured data integrity and validation with TypeScript and Zod.
* Implemented a 10-chapter advanced care plan form with pagination, PDF export, and save/exit functionality. Developed an API with tRPC to save data to AWS S3 and store URLs in MongoDB for data retrieval and form repopulation.
* Designed and implemented custom components including a signature pad using Canvas JS, a carousel, and a partner logo list.
* Improved site traffic by 120% by resolving 19 critical SEO issues with Labrika, optimizing meta titles and descriptions, correcting content errors, and fixing Sitemap. Conducted keyword research with Google Keyword Planner, integrated keywords into titles, URLs, and content, and developed a robust internal linking structure to reduce bounce rates and align content with user search intent.
* Optimized mobile performance by implementing Next.js Image component, leveraging static image imports, and configuring image optimization settings, resulting in a 15% improvement in page load times.
* Worked as part of an Agile team with other developers to outline execution plans and prioritize tasks using Nifty. Participated in daily stand-up meetings and completed sprint tasks efficiently.

**Front End Developer (School volunteer) March 2023 - October 2023**

**University of Tasmania, Australia**

* Designed and developed AI training page and homepage. Created prototypes using Figma and implemented designs with Ant Design, React, and Styled-Components. Utilized React-Query to fetch and render backend data, adding interactive features such as chart data display and manipulation, reduced data processing time by 30%.
* Designed the Entity-Relationship Diagram (ERD) for database structure, wrote MySQL scripts, and built database design documentation.
* Prepared user case and interface design documentation. Ensured clarity for users and developers regarding website's functionality and design. Created detailed user stories to explain usage of each button, purpose of each section, and overall navigation of site, improved developer onboarding time by 25%.
* Collaborated with ICT team using Trello in an Agile development environment. Managed tasks, prioritized backlog, and ensured timely feature delivery. Participated in sprints and weekly stand-ups.

**Projects**

**E-commerce MERN Stack Application**

* Developed a comprehensive e-commerce platform for electronics using React and Node.js with Express
* Designed, implemented, and tested RESTful APIs for backend operations using Postman, ensuring robust and scalable server-side functionality.
* Implemented state management with Redux and Redux Toolkit, and designed a responsive UI with React Bootstrap and dynamic page titles using Redux-Helmet.
* Utilized MongoDB with Mongoose for efficient and secure database operations, integrating user authentication and authorization with JWT and bcryptjs.
* Deployed on Render, managing versions with Git and GitHub.
* Implemented core features: user account creation, product reviews, cart management, order tracking, and payment processing using PayPal API.

**Full-Stack Hotel Management Application**

* Developed a hotel management system admin dashboard using React and Supabase, with @tanstack/react-query for remote state management and react-hook-form for form handling.
* Implemented React Portal for building modal windows and backend authentication for securing routes and user credentials.
* Introduced dark mode with CSS variables and styled-components, leveraging recharts for data visualizations.
* Employed react-router-dom for routing and react-hot-toast for notifications.
* Deployed on Vercel, managing versions with Git and GitHub.

**Referees**

References are available upon request