

JACKSON WANG

📞 0421 893 388 ✉ jacksonwang831@outlook.com 🌐 github.com/jwangbychance

Education

University of Technology Sydney

Bachelor of Business Bachelor of Science in Information Technology

Majors: Data Analytics, Accounting

Expected Graduation, Nov 2023

Sydney, NSW

Relevant Coursework: Applications Programming, Web Systems, Database Fundamentals, Machine Learning

Experience

Gecko | Techstars

April 2023 – September 2023

Full Stack Software Development Intern

- Orchestrated a homepage redesign project, incorporating user-centric design principles and streamlining user experience, which led to a significant uptick in engagement rates by 14% over the course of one week using React and Next.js.
- Developed and launched a compelling business landing page with a modern look, optimizing user experience, which led to a 10% increase in conversion rates.
- Enhanced the website's search functionality by replacing the traditional search bar with a user-friendly popup, enabling users to access search results instantly without navigating to a separate search page, resulting in an increase in search utilization.
- Streamlined the user experience by introducing an estimate delivery component directly on product pages, eliminating the need for users to navigate through the checkout process to check delivery rates, resulting in a reduction of abandoned carts and a more efficient shopping experience.
- Enhanced the user experience by introducing dynamic search filters that adapt to each category page, providing users with relevant and category-specific filtering options, resulting in a 20% increase in user engagement and improved product discovery.
- Worked with React, Next.js, Express.js, MongoDB, Node.js, GraphQL, Apollo GraphQL and Tailwind CSS

Projects

Personal Website

August 2023 - Present

jwangbychance.github.io

- Conceptualized, designed, and developed a dynamic personal website using React to display personal projects, work experience and information about me.
- Utilized React Router to implement smooth client-side navigation, enhancing user experience by eliminating page reloads and ensuring seamless transitions between different sections.
- Deployed the React SPA to a production environment using GitHub Pages, making the website accessible to a global audience.

Login Authentication

August 2023 - September 2023

<https://github.com/jwangbychance/login-auth>

- Developed a robust web application from the ground up, utilizing the MERN (MongoDB, Express.js, React.js, Node.js) stack, including authentication and authorisation for a seamless and efficient user experience.
- Implemented cookie session authentication to ensure secure and user-friendly login functionality, enhancing user data protection and privacy.
- Employed Tailwind CSS to streamline and expedite the UI development process, ensuring a modern and responsive user interface for the web application.

Treadmill Purchases Analysis

May 2022 - November 2022

<https://github.com/jwangbychance/Treadmill-Purchases-Analysis>

- Designed and executed a comprehensive treadmill purchase analysis project using SQL and Jupyter Notebook, demonstrating strong data analysis and visualization skills.
- Leveraged SQL to query and extract critical information from the dataset, including purchase dates, customer demographics, product specifications, and pricing data.
- Employed Jupyter Notebook to create interactive data visualizations, including bar charts and line graphs, effectively conveying complex findings to both technical and non-technical stakeholders.

Technical Skills

Programming Languages: JavaScript, HTML, CSS, Python, Java, SQL, C

Technologies: ReactJS, Node.js, Next.js, MongoDB, Express.js, Git, PostgreSQL, MySQL, Docker, GraphQL