Khant Zarni

Kensington, Sydney, NSW

Resume

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SUMMARY

A recent graduate with a **Bachelor of Science (Computer Science)** from the **University of New South Wales** with proven expertise in creating robust, scalable, cross-platform products. Adept in agile project management, with proven strengths in client-facing communication, leadership, organization, and effective teamwork. Adaptable and **open to relocation**.

EDUCATION

University of New South Wales   Sydney, Australia
Bachelor of Science (Computer Science)   *September 2022 - September 2024*

PROJECT EXPERIENCE

Food Management App - MyFridge   *March 2024*
UNIHACK Hackathon 2024
Orchestrated a cross-functional team to develop an innovative app that simplifies food management by scanning receipts, offering personalized health suggestions, and providing expiry date reminders to reduce food waste and promote healthier choices.

- Developed a cross-platform app with React Native and Expo for seamless iOS and Android functionality, leveraging TypeScript for robust code, a Node.js backend with Axios for efficient API interactions, Microsoft Azure Vision Read API for accurate OCR, and ChatGPT-3.5 Turbo for generating insightful health ratings and personalized comments
- Presented to a panel of judges and received Best Design Award out of 470 individuals and 70 teams

Study Productivity App - Nerd Station   *November 2023*
Google Developer Student Club Hackathon 2023
Engineered and launched a transformative educational tool during a hackathon, improving the university learning process with advanced technology, and recognized for outstanding teamwork and technical prowess.

- Enhanced the educational platform with robust security using NextAuth.js for seamless user authentication, implemented server-side rendering with Next.js to improve performance and SEO, and styled the application with TailwindCSS and Sass for a responsive and engaging user interface.
- Received third place position

WORK EXPERIENCE

Concierge - Rydges World Square Hotel, Sydney   *September 2024 - Present*
Manage all aspects of guest services, including maintaining cleanliness, assisting with luggage and transportation, ensuring efficient communication and request fulfillment, while adhering to safety protocols and hotel policies in a proactive and courteous manner.

COURSEWORK EXPERIENCE

Capstone Project - Successful Outcomes
Developed a MERN stack (MongoDB, Express, React.js, Node.js) web application that maps course learning outcomes to Bloom's Taxonomy, enabling educational institutions to analyze and improve program effectiveness, with a focus on data analytics, cognitive assessment, and accreditation support.

Multi-user spreadsheet - RSheet
Developed a Rust spreadsheet server that efficiently manages concurrent interactions using Rust's threading, message-passing, and ownership mechanisms to dynamically calculate and update interdependent cells.

Student Information System - MyMyUNSW
Designed Python scripts to query and visualize data from a complex relational schema while also developing SQL views and PLpgSQL functions to manage and retrieve information efficiently.

Property renting service - AirBrB
Created a comprehensive ReactJS single-page app for booking and managing property listings, incorporating user authentication, CRUD operations for listings, and dynamic state updates aligned with backend interactions.

Web Game Application - Dungeonmania
Analyzed and refactored an extensive monolithic repository, employing design patterns to address code smells and enhance maintainability, while iteratively developing new functionalities to support changing requirements.

TECHNICAL SKILLS

Languages: Rust, Java, Python, C, JavaScript/TypeScript, SQL (Postgres), HTML/CSS
Framework/ Dev Tools: Git, React, Node.js, Express.js, JEST, JUnit, TailWindCSS, Bootstrap
Testing: Jest, React Testing library, Cypress

AWARDS AND HONORS

UNSW International Student Award   *2022 - Present*

Best Design at UNIHACK 2024 by Atlassian and UNIHACK   *March 2024*

Third Place at UNSW Google Developer Student Club Hackathon   *November 2023*

EXTRACURRICULAR ACTIVITIES

UNSW ASEAN Society (Information Technology Associate)   *2024 - current*
- Managed end-to-end technological solutions, including event production (in-person and online), website maintenance, and internal communication platforms.
- Collaborated across teams to innovate processes, developed IT infrastructure, and enhanced digital content delivery while continuously improving skills in web development, AV production, and emerging technologies.

Myanmar Student Society UNSW (Events Subcommittee)   *March - September 2024*
- Helped plan and execute engaging events by collaborating with other subcommittees
- Provided creative ideas to enhance the attendee experience and drive participation.

Arc Wellness Team (Volunteer)   *May - August 2024*
- Weekly volunteered and organized on-campus activities that encourage healthy habits, enhance mental health literacy among the student community, and address the specific challenges and pressures faced by students.

Arc Street Team UNSW (Junior)   *February - April 2024*
- Executed engaging and impactful events through proficient membership marketing strategies and adept event planning coordination, collaborating effectively with team member

UNSW Engineering Society (Volunteer)   *2023*
- Participated in workshops organized by the UNSW EngSoc team, acquiring knowledge in essential areas such as leadership, communication, strategic planning, time management, teamwork, negotiation, and public speaking
- Actively contributed to a charitable initiative to raise awareness for the Save The Children organization as part of the program