Spenser Tan

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SUMMARY OF QUALIFICATIONS
- Skilled software developer with a motivated attitude and diverse technical skills
- Adept at developing software solutions that meet the needs of the end user
- Committed to continuous flexible learning and professional growth
- Thrives in fast-paced, collaborative environments
- Eager to utilise talents to deliver exceptional results through strong analytical and problem-solving abilities

EDUCATION

University of New South Wales (UNSW)   Sydney, NSW
Bachelor of Science in Computer Science   March 2019 - May 2023

TECHNICAL SKILLS
- **Programming Languages**: SQL, C, Javascript, Java, Python, MATLAB
- **Operating Systems**: Windows, Linux
- **Database**: MySQL
- **Software**: Visual Studio Code, MS Excel, MS Word, Solidworks, WSL, Git

RELATED EXPERIENCE

Marketing Intern   Sydney, NSW
Smart Token Labs   October 2021 – August 2022
- Assisted with creating marketing material, market research and generating marketing ideas for Smart Token Labs
- Contributed to organising material for ETHDenver for Smart Token Lab's DevCon Golden Ticket
- Engaged in social media marketing to raise awareness of Smart Token Lab's technologies

Software Intern   Sydney, NSW
JEDS   December 2021 – February 2022
- Utilised MATLAB to design and build wave generator program, incorporating digital signal processing techniques which display different waveforms
- Developed a deep understanding of design patterns and object-oriented programming (OOP), allowing for the development of scalable and maintainable software solutions
- Acquired expertise in digital signal processing, gaining valuable insights into advanced signal analysis and filtering techniques that can be applied in a variety of settings.
- Designed and developed a user-friendly graphical user interface (GUI) in MATLAB, streamlining user interactions and enhancing the overall user experience.

PROJECT EXPERIENCE

Project Lead for Object Oriented Programming Project
- Led a team of three developers in creating a fully functional game inspired by Loop Hero o Demonstrated exceptional time management and problem-solving skills while working under tight deadlines, delivering high-quality work on time
- Facilitated effective communication among team members, ensuring a positive and productive working environment throughout the project lifecycle.
- Maintained strict adherence to project specifications and standards, performing rigorous testing and debugging to ensure that the final product met or exceeded expectations.

Single Page Application Development
- Gained proficiency in writing well-structured and semantic HTML code
- Acquired skills in using CSS for styling and layout of web pages
- Collaborated with another group member on group projects by creating complex web applications utilising vanilla Javascript
- Successfully implemented responsive design principles and design best practices to ensure the web applications were optimised for different screen sizes

React JS project
- Gained proficiency in programming in React JS by creating the frontend for a game based on Kahoot
- implemented different features, such as leaderboards, creating accounts, creating quizzes and more
- designed UI/UX elements, fonts and colour schemes utilising Figma
- collaborated with a team member so that we were able to generate results

ObservANT task manager
- Implemented a task management system based on Jira utilising FASTAPI, React and SQLAlchemy to create a full stack web application
- Collaborated with team members to delegate tasks and create a standardised codebase that the team could work off of
- Held daily standups to hold others in account so that work could be done on time
- Developed a finished product which granted a lot of experience and knowledge at the end of the project

LEADERSHIP EXPERIENCE

CREATE NSW Inc.   Sydney NSW
Sales Director   February 2021 – December 2022
- Spearheaded the setup and launch of a new online store for CREATE UNSW, utilising advanced e-commerce platforms and tools such as Opencart, phpMyAdmin, FTP, and PHP to develop a seamless and secure online shopping experience for customers
- Directed a subcommittee responsible for key operations and processes, including inventory management and logistics, providing guidance and support to ensure that all goals and objectives were met.
- Implemented storage solutions to optimise stock inventory access and organisation, increasing efficiency and reducing time spent locating and retrieving items.

EXTRACURRICULAR

Bikeology   Sydney, NSW
Volunteer   Jan 2022-May 2023
- responsible for repairing bikes and providing advice to community members on how to fix their bikes.
- developed a proficiency for bike maintenance and repair, and repaired dozens of bikes that would have otherwise gone unused and sold them to make sure we recycled bikes for new owners
- enjoyed most was working with other volunteers and staff members that shared the same passion

Vinnies Greystanes   Sydney, NSW
Volunteer   July 2019 - Jan 2020
- Volunteered at Vinnies to help people in need and make a difference in their lives
- Wanted to give back to the community and help it become a better place
- Volunteered for about 2-3 hours a week
- Tasked with stocking the warehouse with various household items like clothes, furniture, books, and toys
- Worked as a cashier and took customer orders and enquiries
- Was able to build customer service skills and communicate with a variety of customers and fellow volunteers