

# Zane

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## Career Objective

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Enthusiastic Master of Information Technology candidate with a bachelor's degree in business, poised to leverage a robust foundation in business principles and a growing expertise in front-end and full-stack development. Self-taught in diverse IT skills and with hands-on project experience in software development from academic coursework, I am eager to apply my creative and technical abilities in a dynamic team. Seeking to join an innovative organization through a Graduate Program, an entry-level position or internships, where I can contribute to impactful projects and further hone my skills in a practical, technology-driven environment.

## Education

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<b>Master of Information Technology</b> (Major in Software Development) <i>University of Technology Sydney</i>	<b>2022 - 2024</b>
<b>Bachelor of Business</b> (Major in Finance, Sub-major in IT) <i>University of Technology Sydney</i>	<b>2019 - 2021</b>

## Technical Skills

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### Experienced:

- **HTML & CSS:** Developed web pages with a focus on user-friendly design and seamless functionality.
- **JavaScript:** Applied to web development for interactive purpose.
- **TypeScript:** Known the syntax of TS, such as complex types, union types, type narrowing and object type.
- **React:** Beginner in React, developing web application, focus on JSX, state management, etc.
- **Git&github:** Familiar with git control flow and teamwork.

### Beginner to Intermediate:

- **Python:** Proficient in conducting comprehensive data analysis using tools such as Jupyter Notebook, NumPy, and Pandas within the Anaconda platform.
- **SQL:** Experienced in executing fundamental database operations with precision and efficiency to extract and manipulate data effectively.
- **C#, iOS:** Applied software development by C#. Basic knowledges of iOS development principles.

## Personal Projects

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### **Personal Portfolio Website** (React, JavaScript, HTML&CSS) [zanewangxx.github.io](https://zanewangxx.github.io)

- Applied React functionalities such as useState, useEffect, React-icon, EmailJS.
- Implemented interactive design elements and animations to enhance user engagement and visual appeal.
- Ensured full responsiveness of the website, optimizing for a seamless user experience across all device screen sizes.

### **Spotify Playlist Maker** (React, JavaScript, HTML&CSS)

- Developed a React web app that allows users to search for Spotify tracks, create playlists and export to Spotify account.
- Utilized modern JavaScript, React Hooks and CSS for dynamic and responsive interface.
- Currently refining functionality and fix the issues.
- The project is hosted on Github and demonstrates practical skills in API integration, front-end development.

### **WinFromApp** (C#, Visual Studio)

- Developed a Simple Expense Tracker using WinForms and .NET 6, featuring a user-friendly interface for managing and analyzing daily expenses, including expense categorization and date-specific tracking.
- Enhanced user experience with advanced search functionalities to filter expenses by category and generate detailed reports on spending analytics.
- Integrated secure user authentication and managed a SQL Server Express backend, optimizing data storage and retrieval for performance efficiency.
- Implemented LINQ for sophisticated data querying and conducted comprehensive unit testing and debugging to ensure application reliability.
- Utilized Visual Studio 2022 throughout the development, testing, and deployment phases, exploiting its full suite of features to enhance productivity.

### **Recreate Game** (C#, Visual Studio, Unity)

- Developed key components of a Pac-Man style game as part of a structured academic assessment.
- Implemented a robust Git workflow with multiple branches for feature development including audio, visuals, manual level layout, and player movement.
- Utilized Unity and C# to create an interactive game environment, incorporating custom visual and audio assets to differentiate from the original game design.

- Designed and implemented a user authentication system and manual level layout using a 2D array for accurate recreation of the original game's first level.

## **Some Relevant Coursework**

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### **Internet Programming** ***University of Technology Sydney***

**02/2023 – 5/2023**

- Developed understanding of Internet and World Wide Web principles including TCP/IP, protocols, and n-tier architecture.
- Acquired proficiency in DHTML, JavaScript, AJAX, and website design principles.
- Explored the use of JavaScript libraries like JQuery for enhancing web pages.
- Gained introductory knowledge of XML documents and their applications on the Web.
- Obtained experience in PHP server-side scripting and Unix for website management on various Unix Operating Systems.

### **Fundamental of Software Development** ***University of Technology Sydney***

**08/2022 – 11/2022**

- Acquired fundamental knowledge of contemporary software development principles.
- Developed skills in software modelling, analysis, design, development, and evaluation.
- Utilized various programming techniques and tools to implement software systems.
- Applied testing techniques to ensure software quality and functionality.
- Engaged in peer learning and collaboration to enhance individual and group tasks.

### **Fundamental of Interaction Design** ***University of Technology Sydney***

**08/2022 – 11/2022**

- Acquired understanding of human-computer interaction (HCI) and interaction design principles.
- Developed skills in designing, evaluating, and implementing interactive computing systems.
- Applied various approaches, techniques, and tools for designing usable technology.
- Designed digital prototypes to enhance usability and user experience.
- Engaged in collaborative problem-solving and group discussions to refine design solutions.

## **Other Skills**

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**Teamwork:**

- Collaborated effectively on group assignments, demonstrating strong communication and coordination skills.
- Managed workload allocation and project timelines to ensure timely completion of tasks and project objectives.
- Cultivated a collaborative team environment, fostering open communication and teamwork to overcome challenges and achieve goals.

**Languages** - Bilingual proficiency in English and Chinese (Mandarin).