

# Zane

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## Career Objective

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**Recent Master of Information Technology graduate with a Bachelor's** degree in Business and skills in **front-end** and **full-stack** development. Eager to apply my project experiences and technical abilities in an entry-level position or internship. Seeking to join an innovative organization to contribute to impactful projects and further develop my skills.

## 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>
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<b>Bachelor of Business</b> (Major in Finance, Sub-major in IT) <i>University of Technology Sydney</i>	<b>2019 - 2021</b>
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## Technical Skills

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### Programming Languages:

- **HTML & CSS:** Developed web pages with a focus on user-friendly design and seamless functionality.
- **JavaScript:** Applied to web development for interactive purposes.
- **TypeScript:** Knowledge of complex types, union types, type narrowing, and object type.
- **C#:** Applied in win-form project.
- **Python:** Proficient in data analysis using Jupyter Notebook, NumPy, and Pandas within Anaconda.
- **SQL:** Experienced in fundamental database operations for effective data extraction and manipulation.
- **Swift:** Basic knowledge of development principles.

### Frameworks and libraries:

- **React:** Beginner in React, developing web applications, focusing on JSX and state management.
- **jQuery:** Enhanced web pages using JavaScript libraries.

### Tools:

- **Git & GitHub:** Familiar with version control flow and teamwork.

## Personal Projects

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### Personal Portfolio Website (React, JavaScript, HTML&CSS)

[zanewangxx/personalportfolio](https://zanewangxx.com/personalportfolio)

- 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.

### Notes-app (React, JavaScript, HTML&CSS)

[zanewangxx/react-notes](https://zanewangxx.com/react-notes)

- Developed and implemented routes using **React Router DOM**.
- Designed **Notes, Create Note, and Edit Note** pages.
- Implemented functionality for creating, editing, and deleting notes.
- Created a custom hook, **useCreateDate**, for managing note creation dates.
- Integrated **local storage** for saving and retrieving notes.
- Developed a **search functionality** for efficient note retrieval.

### WinFromApp (C#, Visual Studio)

- Developed a user-friendly expense tracker with WinForms and .NET 6 for managing and analyzing daily expenses.
- Enhanced user experience with advanced **search functionalities** and detailed spending reports.
- Integrated **secure user authentication** and managed **SQL Server Express backend** for optimal data storage and retrieval.
- Utilized **LINQ** for sophisticated data querying, ensuring efficient performance.
- Conducted comprehensive unit testing and debugging to ensure application reliability.
- Leveraged **Visual Studio 2022** for development, testing, and deployment.

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

- Developed key components of a **Pac-Man style game** for an academic assessment.
- Implemented a robust **Git workflow** with multiple branches for feature development (audio, visuals, level layout, and player movement).
- Created an **interactive game** environment with Unity and C#, using custom visual and audio assets.
- Designed and implemented a user authentication system and manual level layout using a 2D array to accurately recreate the original game's first level.

## Some Relevant Coursework

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### Internet Programming

02/2023 – 5/2023

*University of Technology Sydney*

- Developed a solid understanding of **Internet and World Wide Web principles**, including TCP/IP, protocols, and n-tier architecture.
- Proficient in **DHTML, JavaScript, AJAX**, and website design principles.
- Utilized JavaScript libraries like **jQuery** to enhance web pages.
- Gained introductory knowledge of **XML** documents and their web applications.
- Experienced in **PHP server-side scripting** and **Unix** for website management across various Unix Operating Systems.

### Fundamental of Software Development

08/2022 – 11/2022

*University of Technology Sydney*

- Acquired fundamental knowledge of contemporary **software development principles**.
- Developed skills in **software modeling, 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

08/2022 – 11/2022

*University of Technology Sydney*

- Acquired understanding of **human-computer interaction (HCI)** and interaction design principles.
- Developed skills in **designing, evaluating, and implementing interactive computing systems**.
- Applied various 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 objectives.
- Fostered a collaborative team environment, promoting open communication and **teamwork** to overcome challenges and achieve goals.

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