Zhuolan Lin

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Education

The Australian National University	*ACT, Australia*
Master of Computing	*07/2023 - present*
Dalian Maritime University	*China*
Bachelor's Degree in Computer Science and Technology	*09/2019 - 07/2023*

Technologies

Programming Languages: HTML, CSS, JavaScript, React, Java, Python, SQL, C#, C, C++, Matlab

Areas of Expertise: Web development, Project Management, Computer Vision, Deep Learning, Game development(Unity), Android development

Technologies: Figma, Git, Trello, Anaconda, VMware, Unity Hub, Roboflow, wandb, Visual Studio Code, PyCharm

Projects

Studyroo: Your AI-Powered Learning Companion   *07/2024 - Present*

Role: Leader, Project Manager, Front-End Developer

- Led overall product design, ensuring the project met its goals on schedule.
- Designed user interfaces and interactions, contributed to front-end development using React, enhancing project deliverables.
- Maintained high standards of quality, ensuring all project components were delivered on time and met technical specifications.
- Technology stack: React.js, CSS, Figma, Trello, UI design, Web design, Git, HuggingFace

Python-based English Learning System   *02/2023-06/2023*

Role: Full-Stack Developer

- Led the full-stack development, including a Flask-based backend, HTML/CSS/JavaScript frontend, and MySQL database integration.
- Oversaw the entire platform design and conducted thorough requirement analysis to align project objectives with end-user needs.
- Designed and executed comprehensive test cases to ensure functionality and user experience optimization across the platform.
- Technology stack: HTML, CSS, JavaScript, UI Design, Python, Flask, B/S Model, MySQL

Android-based Food Ordering System   *03/2022-06/2022*

Role: Project Leader and Core Team Member

- Spearheaded the development and testing of a dual-interface Android app catering to both customers and administrators.
- Coordinated team work to design user-friendly interfaces and back-end functions such as food ordering and menu management.

- ○ Technology stack: Android development, Java, SQL, and user interface design principles for Android.

Intelligent Safety Officer - Boston Dynamics BigDog based on Deep Learning   *12/2020-12/2021*

Role: Key Team Member

- ○ Managed coding and testing phases, successfully developing the dynamics big dog module.
- ○ Integrated the dynamics big dog with algorithms for detecting safety breaches, training the model to send alerts to the central system.
- ○ Performed rigorous testing across various real-life scenarios to validate the model's accuracy in identifying discrepancies.
- ○ Technology stack: Deep Learning, Computer Vision, YOLOv4, HTML, CSS, JavaScript

Achievement: Awarded the National Level in College Students' Innovation and Entrepreneurship Training Program

Other Projects

Pet Recognizer (data training, deep learning)	*07/2024-11/2024*
Mansion Escape (Unity, C#)	*07/2024-11/2024*
Chinese Intangible Cultural Heritage Website (HTML, CSS,JS, UI)	*02/2024-05/2024*
Game: Marrakech (Java, Javafx, Git)	*07/2023-10/2023*
Media Player (C++, Qt)	*08/2022-09/2022*
Land Transaction - Grant Management System	*06/2022-07/2022*
MIT6.S081 Operating System Engineering (Linux)	*03/2022-06/2022*
Online Shopping System Database (SQL)	*07/2021*
Online Store Management System Analysis and Design	*12/2021*
Garbage Digesting Robot (Solidworks, C)	*12/2019-12/2020*

Experience

Guotai Epoint Software Co., Ltd.   *Guangdong, China*
Delivery Engineer   *02/2022-03/2022*

- ○ Developed comprehensive system documentation and FAQs to support end-users and delivered client-side training to enhance system utilization.
- ○ Monitored the new system's adoption in real-time through continuous testing, efficiently identifying and resolving any operational issues.

VOLUNTEERING

Winter Holiday Social Practice Team   *China*
Advocacy volunteers   *2019-2022*

- ○ Collaborated with high school administrations to facilitate educational seminars and discussions about university life and academic opportunities.
- ○ Led promotional outreach at high schools, assisting students with their senior year and university entrance exam preparations.