YU MA (Freya)

Address: Portland, ME, 04103 | Tel: 2072522816 | Email: freyayucs@gmail.com | LinkedIn | GitHub

Education

Northeastern University	**Portland, United State**
Master of Science in Computer Science (GPA 4.0)	Jan 2023-May 2025
Macquarie University	**Sydney, Australia**
Master of International Business	Feb 2017-Oct 2019
University of Technology Sydney	**Sydney, Australia**
Bachelor of Business; Major in Marketing & International Business	Mar 2014-Jan 2017

Skills

- **Programming Languages:** Python, Java, JavaScript, C, C++, HTML/CSS, SQL
- **Developer Tools**: Git, UML, Linux, MongoDB, Node.js, Hibernate, Maven, Docker
- **Technological Framework**: SpringBoot, Bootstrap, React, Express, jQuery

Projects

To Do Management APP | Spring Boot, Spring Security, Hibernate, SQL, Bootstrap, Maven, JPA   Jun 2023-Present
- Developed a robust **backend** To-Do Management Web Application using **Spring Boot** and integrated **Hibernate** for Object Relational Mapping, facilitating streamlined database interactions.
- Created a user-friendly **frontend** with **JSP, Bootstrap** and designed an **SQL** database schema for storing user and task information.
- Integrated **Spring Security** for user authentication and authorization, ensuring secure access to personal to-do lists.
- Employed **Maven** for project building and dependency management, and configured logging to facilitate monitoring and debugging.

Virtual Self-Driving Car with AI | Python, OpenAI Gym, Q-Learning, Deep Learning   May 2023-Present
- Developed an **AI-powered** self-driving car simulation with **Python** showing how AI can be applied to real-world automotive solutions.
- Utilized **OpenAI Gym** as a testing environment to effectively train and optimize the AI model, enabling it to learn and adapt to different driving scenarios.
- Employed **Q-Learning**, **Deep Q-Learning**, and Deep Convolutional Q-Learning algorithms to facilitate the AI's decision-making process, and A3C (Asynchronous Advantage Actor-Critic) to further improve its performance.
- Designed the **AI** model to be capable of self-improvement, tuning its parameters and decision-making capabilities to adapt to a range.

Find your local Buddhist and Taoist Temple Website | JavaScript, CSS, React, HTML, MongoDB, Node.js, Express.js   Mar 2023-Present
- Created a **front-end** user interface with **JavaScript, CSS, React and HTML**, allowing users to access info and interact with the platform.
- Designed and managed a **MongoDB** database to store and manipulate comprehensive data about U.S. Buddhism and Taoism temples, this included information such as location, Temple background information and religious activities.
- Utilized **Node.js** and **Express.js** as the main technology stack for the **back-end**, handling server-side logic and establishing routes and APIs for data transmission between the front-end and database.
- Incorporated user authentication and authorization for temples to post updates and recruitment opportunities, utilizing tools such as bcrypt for password hashing and secure handling of user data.

Work Experience

TEAM LEWIS   **Beijing, China**
Senior Account Executive   Apr 2022-Dec 2022
- Facilitated discussions with clients and internal tech teams to ensure all specifications were met, such as company CN Website, WeChat account, helping clients to establish a strong online presence in China, increased their brand exposure by 130% over 4 months.
- Managed 3-5 concurrent client accounts across multiple industries. Responsible for analyzing their business model, creating pitch decks, and providing end-to-end solutions that met clients' requirement and satisfaction.
- Specialized in serving clients in the Internet of Things (IoT) and data security sectors, utilizing technical knowledge to better understand and cater to the unique needs of these industries.

LinkedIn China   **Beijing, China**
Digital Marketing Specialist | JavaScript, HTML, CSS, Oracle, Salesforce   LTS Sep 2020-Mar 2022
- Utilized **JavaScript**, **HTML, CSS,** and email templates to develop and deploy customized emails for members in the **database.**
- Led marketing operations to maintain the LTS Business site, employing **Inkwell, HTML, CSS**, and increased CTR with different events.
- Employed Oracle and Salesforce platforms for efficient data handling and email dispatch, demonstrated my skills in database management, CRM/SCRM tools.
- Boosted year-on-year Sales' ROI by 150% through strategic B2B online and offline marketing events.
- Gained recognition from liner manager, sales lead, and APAC marketing lead through client retention and empowerment.