Janna Chen

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Summary

Motivated Computer Science graduate, achieved distinction in uni, with a strong foundation in programming, data structures and algorithms. Extensive full stack knowledge and experience in project development within an agile development environment, with proficiency in Python, Java, and JavaScript, and a track record of successfully developing 5 projects. Eager to apply knowledge and technical skills to contribute to innovative software development. Adept at problem-solving and team collaboration, with a passion for learning and keeping up-to-date with emerging technologies. Excited to join a dynamic team where I can make a meaningful impact while continuing to grow as a software developer.

Project and Work Experience

Pool Table Game

*An innovative pool table game with a physics engine for realistic ball movements based on **Java**.*

- **Physics-Enhanced Game Realism**: Incorporated physical principles like collision detection and response, provided players with an authentic game experience.
- **OOP-Driven Game Structure**: Leveraged Object-Oriented Programming (**OOP**) to architect the game's structure, breaking it down in to manageable, reusable components.
- **Code Optimisation**: Integrated multiple **design patterns**, such as Factory Method and Builder Pattern, enhancing code readability and extensibility.

User Authentication and Authorisation Module

*Designed to fortify user authentication and authorisation in **Node.js**, this versatile system is tailored for diverse applications.*

- **Secure Data Storage:** Integrated a lightweight **JSON Server** backend with robust password **encryption** to ensure secure user data storage.
- **Token-Based Authentication**: Implemented token-based authentication using JSON Web Tokens(**JWT**) for enhanced security and user verification.
- **Session Management**: Created a highly secure session management system with token refresh mechanisms and well-defined token expiration settings for optimal user experience and data protection.

TopSocial

A front-end social web page that prioritises the creation of an intuitive and visually appealing user interface.

- **Optimising Webpage Performance**: Utilised **Vite** build tool to enhance the webpage's loading speed.
- **Aesthetic UI Implementation**: Employed **HTML**, **CSS**(**Sass**), and **JavaScript** to craft a visually captivating design.

Virtual Keyboard

*A virtual keyboard based on **Python**, designed for people who experienced difficulties using traditional input systems, such as patients suffering from motor neuron diseases.*

- **Innovative Keyborad Layout**: Collaborated on the conceptualisation and prototyping of a binary tree keyboard layout to significantly boost user input speed.
- **UX Enhancement:** Successfully implemented a **Pygame**-based user interface to elevate the overall user experience.
- **Efficient Integration of Classification Model**: Seamlessly integrated a classification model with the user interface for enhanced functionality and performance.

Waka Waka

Innovatively developed a Java-based game prototype from scratch.

- **OOP-Centric**: Centered around the core principles of Object-Oriented Programming (**OOP**).
- **Game Mechanism Implementation**: Designed and implemented various game mechanisms, including character movements, interactions with in-game objects.
- **Rigorous Testing**: Conducted extensive **JUnit** testing, leveraging the modularity of **OOP** to systematically identify and address issues.

Ice Kirin Bar, Sydney 12.2020 - present **Sales Associate**

As a sales associate at Ice Kirin Bar, I played a crucial role in ensuring a delightful and memorable customer experience while honing my skills in customer relations.

- **Problem-Solving**: dealt with challenging situations diplomatically, finding solutions to customer issues and ensuring their satisfaction.
- **Team Collaboration**: worked closely with fellow team members; assisted in training new employees, helping them acclimate to their roles and responsibilities.
- **Multi-Tasking**: efficiently handled multiple tasks while maintaining a high level of service quality.
- **Time Management**: effectively managed my time to balance multiple tasks; communicated task priorities and deadlines with team members to ensure a smooth operation.

Education

2020.02 - 2023.07	**The University of Sydney**	Degree: Bachelor of Computing
	Major: Computer Science	Minor: Computational Data Science

Skills

Languages:	**Java, Python**, **JavaScript**, C	Framework:	**React**, NodeJS, **Spring Boot**
Front End:	HTML5, CSS3(SASS)	Tools:	**Git**, **Agile**, Gradle/Maven, Jenkins
DB:	PostgreSQL, MySQL		

References

References available upon request