Teo Yong Ray

SMU Information Systems, Year 3 (Digitalisation & Cloud Solutioning, Business Analytics)

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Highly motivated developer with top academic honours and strong foundations in both front-end and back-end development, data analytics, and project management. Pursuing high impact roles that utilise technology creatively to create innovative, next-gen solutions.

Education

SINGAPORE MANAGEMENT UNIVERSITY   **Aug 2022 - May 2026**
Bachelor of Science (Information Systems)
Double Major in Digitalisation & Cloud Solutioning, Business Analytics
- GPA 3.99/4.00 (Highest Distinction), Dean's List (AY 22/23 & 23/24)

Skills & Additional Information
- **Languages:** English, Mandarin
- **General:** Python, Git/GitHub, Docker/Kong/Flask/RabbitMQ, AWS, Figma
- **Web:** Javascript/HTML/CSS/PHP, Vue/React/Next.JS/Bootstrap, Java/Spring Boot,
- **Data:** SQL, Pandas/Scikit-Learn/Tableau, NLTK, Excel
- **Soft Skills:** IT Consulting, Business Process Analysis, Project Management, Incident/Change Management, DevOps, CRM
- **Other:** Photo and video editing

Work Experience

HOUSING & DEVELOPMENT BOARD (HDB)   **May 2024 - Aug 2024**
Design Automation Intern (Python)
- Achieved 89% automation in assigned design process over 3-month period, improved process time from 5 days to 30 minutes (+2400%) with automation
- Collaborated with senior designers and upper management as main digital liaison to evaluate and iterate automation solutions, translating concepts into code
- Refactored code and created documentation for both users and developers to enhance future maintainability and runtime efficiency

SINGAPORE MANAGEMENT UNIVERSITY   **Jan 2024 - Apr 2024**
Teaching Assistant (Computational Thinking Module)
- Selected by professor due to excellent (A+) grade in Computational Thinking module
- Reinforced knowledge foundations in Computational Thinking by answering student queries regarding course material (e.g. data structures and algorithm) for a class of 29 students

SINGAPORE MANAGEMENT UNIVERSITY   **Aug 2023 - Jan 2024**
Chatbot Specialist
- Utilised low code platform (PowerVA) to develop a chatbot that answers students' queries on various school-wide issues
- Facilitated data migration from 15 separate departments and their respective legacy IT systems, to a modern solution optimised for user experience
- Tasked to meticulously check and verify relevance of extracted information, especially for questions on discontinued systems

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Additional Projects

AFTERCLASS (NON-PROFIT)   **2024**

Developer

- Collaborated with [Afterclass.io](#) developer team to revamp digital platform (T3 stack) used by **7,000** students to review SMU courses and professors during the module-bidding period, improving user experience and site reliability.

ECOBOUND   **2023**

Developer

- Made use of Vue and Bootstrap along with Google Maps API Platform to create a pseudo travel planner all-in-one solution that allows one to select flights, hotels and plan their activities.
- Demo video: https://www.youtube.com/watch?v=wHw6OpYQP14