Lau Zhan Ming

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EDUCATION

- **National University of Singapore** — Singapore
  Bachelor of Computing in Computer Science and Minor in Economics — *Aug. 2021 – Present*
  - Cumulative Average Point: 4.74

EXPERIENCE

- **The Government of Singapore Investment Corporation (GIC)**
  Software Engineer Intern — *May. 2024 - Present*
  - Helping in the development of in-house web-based equities order management system.(**ASP.NET Core, SQL Server, React**).

- **International Business Machines Corporation (IBM)**
  Partner Technical Specialist (Intern) — *May. 2023 - Aug. 2023*
  - Developed a job portal website to demonstrate the functionalities and features of the Red Hat Process Automation Manager(RHPAM).(**React, Express.js, PostgresSQL, RHPAM**).
  - Produced a comprehensive walkthrough documentation, empowering partners to integrate the Red Hat Process Automation Manager in their companies' business workflow.

- **National University of Singapore**
  Teaching Assistant — *Aug. 2022 - May. 2024*
  - Prepared and conducted weekly tutorials in the course Data Structures and Algorithms and Programming Methodology (**Java, C, Python**).
  - Learned to explain technical concepts and gave detailed feedback to students.

PROJECTS

- **TaleWeaver**: https://www.taleweaver.net/
  - Built a website that utilized OpenAI's API to generate storybooks, enabling parent to make personalized books for their children.
  - Full stack development on the library feature in the website, allowing user to store their generated stories in the website. (**React, FastAPI, Supabase**)
  - Worked on prompt engineering and refinement to ensure the safety of the content generated.

- **Computer, Easy Lah!**: https://www.cel.land/
  - Developed a responsive web-based learning portal with engaging tutorials and interactive lessons. (**Next.js**)
  - Collaborated with local senior centers to reach the target audience

- **CardiNUS**:
  - Built an online multiplayer web app game that incorporates social deduction elements.
  - Designed the game mechanics and implemented the front-end interface as well as the back-end logic (**React, Firebase**)
  - Improved UI/UX design by acting on user's feedback and added features such as quests and achievements to improve players' retraction rate.

AWARDS

- **International Economic Olympiad 2021 Open Track**: 2nd place
- **Malaysia Computing Olympiad**: Silver Award

PROGRAMMING SKILLS

- **Languages**: Python, C, C++, C#, Java, JavaScript, TypeScript

- **Technologies**: React, Firebase, SQL Server, PostgreSQL, ASP.NET Core, Express.js, FastAPI