

Mauricio Zorzan

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EDUCATION

Yale-NUS College

Aug 2020 – May 2024

Bachelor of Science in Computer Science (Hons), Minor in Physical Sciences

Singapore

- First-Class Honors (Distinction)
- Captain of Yale-NUS Basketball Team, President of Yale-NUS Society for Latinx

EXPERIENCE

Full-Stack Software Developer (Part-time)

Aug 2023 – Jan 2024

Colegio Etapa

Brazil

- Updated and re-launched the website using Next.js, React, and Typescript
- Increased website performance by optimizing frontend code, resulting in a 20% decrease in page load times and a 10% increase in overall site speed.
- Added API endpoints to support frontend features using Express, Node, and MongoDB
- Enhanced backend infrastructure to accommodate a 15% increase in student and staff data, ensuring scalability and reliability as the school expanded its operations.

Front-end Developer (Intern)

June 2023 – Aug 2023

Simulation Software & Technology (S2T)

Singapore

- Developed over 20 features and components using React.js to enhance the functionality and responsiveness of web applications.
- Communicated daily with the Agile team to gather requirements and provide progress updates.
- Collaborated closely with senior developers to debug and troubleshoot frontend issues and optimize website performance.

eCommerce Testing Lead (Intern)

Feb 2023 – June 2024

HP Inc.

Singapore

- Automated over 1000 BDD test cases using Selenium
- Led creation of test cases for implementation of payment platform.
- Partnered with internal and external stakeholders across 16 APAC/LATAM countries.

Student Researcher

May 2022 – Aug 2022

Centre for Quantum Technologies

Singapore

- Researched Noisy Intermediate-Scale Quantum algorithms by reviewing over 10 research papers and discussing with Dr. Leong Chuan Kwek.
- Initiated independent research on applications of Quantum algorithms and Information using Qiskit.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C, HTML, CSS, OCaml, R

Frameworks: Next.js, React.js, Bootstrap, Tailwind CSS, Express.JS, Flask, Django, Redux

Developer Tools: Node.js, REST APIs, SQL, MySQL, MongoDB, PostgreSQL, SQLite, GraphQL, Firebase, Docker, Kubernetes, Git, GitHub, AWS, Linux, Microsoft Azure

PROJECTS

Personal Website | *Next.js*

- Built and hosted a personal portfolio website with a responsive design using Next.js. See more for additional information and projects: <https://mauzorzan.vercel.app/>

Threads clone | *Next.js, Typescript, MongoDB, Clerk*

- This modern social media app takes inspiration from Meta's Threads. In it, users can create a Clerk authenticated account to post threads, reply to friends, join communities and much more from any device: <https://mauzorzan-threads.vercel.app/>

Amazon web scraper | *Next.js, Typescript, MongoDB, Bright Data, NodeMailer*

- Using Bright Data webscraping, this app tracks the price of an Amazon product and alerts the user through email when the price is at its lowest: <https://mauzorzan-pricetracker.vercel.app/>