BRYAN LEE ZHE YIN

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EDUCATION

National University of Singapore   **Aug 2022 - May 2025**
Bachelor of Computing in Computer Science
- Focus Area on Software Engineering
- Fundamentals of programming, data structures and algorithms, object oriented programming

SKILLS

Leadership, Project Management, Communication Skills
General Programming Languages: Python, Java
Frontend Programming: HTML, Javascript, Typescript, React.js, Jest, Redux, CSS, TailwindCSS
Backend Programming: Ruby on Rails, PostgreSQL, SQL, RESTful API

PROJECT EXPERIENCE

Developer, Boys' Brigade 21st Portal, Singapore   **Jun 2023 - Present**
- Developed with React.js, web-pack, Ruby on Rails and PostgreSql and deployed on Heroku
- Maintained Github repository through Git and practised proper version control with CI/CD pipeline
- Digitalized performance of routine uniform inspections through online forms and record keeping.
- Generates PDF document for paperwork through a form to cut workflow
- Writing unit and integration tests for React.js using Jest

Developer, Web Forum (CVWO 2024 Winter Assignment), Singapore   **Dec 2023 - Jan 2024**
- Designed frontend with Typescript and React along with Redux for state management as well as TailwindCSS
- Developed backend with Ruby on Rails and built into a container with Docker and deployed it through Heroku

RELEVANT EXPERIENCE

Team Lead, Software Engineering Module (NUS), Singapore   **Jan 2024 - May 2024**
- Created github organisation and repository. Set constraints and permissions for team members to push commits to repository and managed project scope and division of work through milestones and issues drafted with specific steps
- Enforced forking workflow and CI/CD pipeline with 3 group members and proper practise when working in a team
- Ensured proper branch management and PR reviews by at least 1 other member before merging

INTERNSHIP & WORK EXPERIENCE

Educator, Coding Lab, Singapore   **May 2024 - Aug 2024**
- Conducted Python classes with students aged 13 - 18 over 10 weeks
- Displayed strong communication skills to interact with a new group of students on a weekly basis
- Taught Python with strong understanding of core programming concepts and computational thinking
- Practised technical knowledge by assessing and revamping 77 programming questions with test cases

POSITIONS OF RESPONSIBILITY

Volunteer, Boys' Brigade 21st Singapore Company, Singapore   **Mar 2017 - Present**
- Collaborated with teachers and other working volunteers for over 8 years resulting in strong communication and teamwork experience
- Mentoring students aged 14 - 20 to improve teaching, engagement, planning and leadership skills