

# BRENDAN NG

Mobile: +65 82886518 | Email: [brendannngji@u.nus.edu](mailto:brendannngji@u.nus.edu) | <https://github.com/brendannng7> | <https://www.linkedin.com/in/brendannng7/>

## EDUCATION

### National University of Singapore

Aug 2023 - Present

B. Comp (Hons) in Computer Science

- GPA: 5.0/5.0
- Dean's List: AY23/24 Semester 1 | AY23/24 Semester 2
- Relevant Coursework: Programming Methodology, Discrete Structures, Data Structures & Algorithms
- Graduating in May 2027

## INVOLVEMENT

### KEMotion, Secretary-Treasurer

Jul 2024 - Present

- In-charge of financial and administrative matters
- Filmed and edited videos for King Edward VII Hall

### KEVision, Member

Jul 2024 - Present

- Photographed key events for King Edward VII Hall

### Hall Affairs Board, Member

Jan 2024 – May 2024

- Assist in planning and carrying out hall wide events
- Design and publish promotional material on organisation's social media accounts

## PROJECTS

### Jouzu

May 2024 - Present

- Developed an application to bridge the gap between theoretical language learning and practical application for Japanese learners by providing a toolkit that utilise LLMs.
- Front-end was built with React Native and prototyped rapidly with Expo Go. Back-end was developed with Django and hosted on AWS EC2.
- Implemented FCM services for notification handling, integrated OpenAI's GPT-3.5 Turbo and worked with WebSocket.
- Automated unit, component and integration testing using Jest and Django's test library.

### CVWO Gossip with Rails

Nov 2023 - Jan 2024

- Built a full-stack web forum with CRUD functionalities whilst learning Ruby on Rails
- Front-end was developed using React and Material UI components and back-end is built using Ruby on Rails
- Implemented JWT authentication

### Portfolio Website

Apr 2023 - May 2023

- Pokemon-styled front-end project showcasing personal portfolio
- Built with vanilla JavaScript, HTML5 and CSS3

## VOLUNTEERING

### Heartfriends BASC

Jan 2024 - Present

- Tutor students aged 7-14 in various subjects

## WORK EXPERIENCE

### Private Tutor

Jan 2023 – Present

- Tutored primary and secondary school students on Mathematics and Science

### Singapore Armed Forces Specialist and Warrant Officer Institute (SWI)

Jan 2020 – Nov 2021

- Trained 2 batches of recruits as a section commander and 1 batch of recruits as a platoon sergeant
- Undergone intense physical and mental Infantry training

## PROFICIENCIES

Programming Languages: Python, JavaScript, TypeScript, Ruby, HTML5, CSS3, Java

Libraries and Frameworks: ReactJS, React Native, TailwindCSS, Ruby on Rails, Material UI, SQL, Django, Jest

Tools: Git, Vim, Markdown