

# BRANSOME TAN YI HAO

(+65) 92249908 • bransometan@gmail.com • www.linkedin.com/in/bransometan • https://bransometan.github.io/

## EXPERIENCE

### NUS Fintech Society, Software Engineer, Singapore

Aug 2023 – Present

- Project ATLUS: HR Management System
  - Currently developing an internal tool to manage NUS Fintech Society's members and future applicants.
- Project PLUTUS: Trading Infrastructure
  - Currently developing a web application for quant developers to back test and deploy trading strategies.
- Collaborating in team of 4 SWE, 1 Tech Lead and 1 Project Manager via weekly sprints according to SCRUM framework.

### Exyte, Software Engineer Intern, Singapore

May 2023 – Aug 2023

- Project AUGMENT: Real Time Notification System
  - Developed a Minimum Viable Product (MVP) for a notification feature on a web application catering to a large team of over 100 engineers, improving overall work efficiency by 75%, including gathering business requirements and prototyping UI/UX for the feature.
- Actively participating in daily standups, sprint planning meetings, and adopting scrum methodology for efficient project management and collaboration.

### National University of Singapore, Undergraduate Teaching Assistant, Singapore

Jan 2023 – May 2023

- Facilitated weekly tutorials for a class of 30 students, covering concepts related to: DBMS and Database Design, Entity-Relationship Modelling, SQL, Data Visualization with Tableau, MongoDB
- Prepare revision materials and conduct consultation sessions and address student's questions.

### SAF Ammunition Command, IT/Automation Developer, Singapore

Jul 2019 - May 2021

- Innovated and automated multiple programs (Access and VBA), analyzed overall staffing needs with data analytics tools (PowerBI), maximized productivity and system efficiency, improving overall workflow in organization by more than 50%
- Conducted and facilitated 3 IT-Workshop and sharing for programs created with other departments and branches, allowing to learn from best practices.

## EDUCATION

### National University of Singapore

Aug 2021 - Present

Bachelor of Computing (Honors) in Information Systems

- CAP: 4.55 / 5.0 (Expected First Class Honors)

### Singapore Polytechnic

Apr 2016 - May 2019

Diploma in Electrical and Electronic Engineering

- GPA: 3.961 / 4.0
- Graduated with a Diploma with Merit

## PROJECTS

- **Property Nirvana:** Currently developing a Full Stack Web App to allow homeowners to track, analyze and gain insights about their properties and investments (VueJS, Firebase, OpenAI API, URA API, News API, OneMap API)
- **Student Bidders:** Built a Full Stack Marketplace Mobile App for all students studying in SG Universities to conveniently buy/bid or sell unwanted items online through an anonymous bidding system (React Native, Firebase)
- **Stock Fetcher:** Built a one-stop web interface to retrieve and display stocks data (ReactJS, ExpressJS, IEX Cloud API)
- **Retail Banking System:** Built a Retail Core Banking Enterprise Application with a relational database by adopting component/service-based development with JPQL and ORM (JavaEE/JakartaEE, MySQL)
- **Digital Attendance Tracker:** Built an Android Mobile App which allow users to take attendance digitally and store data in a Realtime Database (Android Studio, Java, Firebase)

## SKILLS

- **Programming Languages:** Java • Python • Javascript • HTML • CSS • MySQL • SQL
- **Libraries, Frameworks, and Tools:** Bootstrap • jQuery • NodeJS • React/React Native • VueJS • Firebase • MySQL • MongoDB • JavaEE/JakartaEE • Git • GitHub • CI / CD • Agile Methodology
- **Other Skills:** Figma • Tableau • PowerBI • VBA • Microsoft Office (Word, PowerPoint, Excel, Access, etc.)

## ACHIEVEMENTS

- Attained the highest level of achievement of a software development program in **National University of Singapore**: Project was ranked top 7% (out of 500+ teams) and was chosen to showcase in the annual Splashdown Event, attended by multiple industry leaders.
- Recipient of the Wee Cho Yaw Future Leaders Award in **National University of Singapore**: One of the few selected individuals to receive this esteemed scholarship who exhibit integrity, commitment, honor and unity, academic excellence, and strong leadership potential.
- Attained the rank of Corporal First Class in the **Singapore Armed Forces**: Completed two years of mandatory national service and received the Best Soldier of the Month Award, as well as a Letter of Commendation for outstanding service and contribution.
- Received the Global Foundries Prize in **Singapore Polytechnic**: Awarded to the top performing Diploma in Electrical and Electronic Engineering student throughout his/her course of study.