

# BRYANN YEAP

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## EDUCATION

### National University of Singapore (NUS)

Aug 2020 – June 2024

- Bachelor of Computing (Honours) in Computer Science
- Current Cumulative Average Point: 4.72/5.00 (Highest Distinction)

## WORK EXPERIENCE

### Government Technology Agency (GovTech)

May 2023 – Aug 2023

Software Engineer Intern | Svelte, TypeScript, Tailwind CSS, Node.js

- Translated **Figma** designs into **front-end components** used by public officers and potentially members of public
- Maintained team-wide standardisation of design by liaising with members of other projects
- Ensured accurate functionality and high quality of codebase by reviewing fellow interns' code

### EzGreen

Dec 2022 – Jan 2023

Technical Lead Intern | Flutter, Dart, Cloud Storage, Cloud Firestore, Firebase Authentication

- Led a team of 5 software engineers to produce a **serverless** mobile social media Minimum Viable Product (MVP)
- Built backend architecture, and integrated it with Firebase (**Firestore, Authentication, Storage**)

### Rakuten Asia Pte Ltd

May 2022 – Jul 2022

Software Engineer Intern | Java, Spring Boot, MySQL, MongoDB, AWS S3, Kafka

- Committed 2 features to production utilized by an estimated 10,000 clients daily by developing microservice **REST API** endpoints through **Test-Driven Development** (TDD) with **Mockito** and **JUnit 5**
- Performed integration testing of cloud computing services such as **AWS S3** by introducing mocks
- Upheld code coverage above 90% (monitored with **Jenkins, SonarQube**) and updated documentation of existing systems on **Confluence**

## PROJECTS

### Tech Offers Repo | Back-End Developer

Sep 2022 – Nov 2022

- Partnered with creator of [Tech Interview Handbook](#) and [Blind75](#) to construct a portal allowing job hunters to benchmark job offers, gaining more than **2000 new users** within **2 days** of marketing
- Became a [top contributor](#) of the [top 50 most-starred repositories](#) on **GitHub**, standing at over **100k stars**
- Utilised the T3 stack comprising of **TypeScript, tRPC, Prisma (PostgreSQL), Next.js**, and deployed on **Vercel**

### Giving Coupons | Full Stack Developer

Aug 2022 – Sep 2022

- Self-started an initiative with some peers geared towards raising both awareness and money for charities, charitable causes, and voluntary non-profit organisations
- Raised more than **1000 SGD** for charities such as Make-A-Wish Singapore, Samaritans of Singapore, Handicaps Welfare Association, and more with a **Progressive Web Application (PWA)**

### Peggle Clone | Full Stack Developer

Jan 2022 – Mar 2022

- Recreated [Peggle](#) for all iOS platforms with **Swift** for business logic, and **SwiftUI** for user interface
- Applied design patterns such as MVVM, Delegate Pattern, Decorator Pattern, and Publisher-Subscriber Pattern
- Designed an extensible 2D physics engine from scratch by programmatically solving problems such as detecting 2-dimensional intersections, simulating physical phenomena (i.e. gravity, collisions, restitution), and smoothly rendering frames of the 60Hz game loop

## CO-CURRICULAR ACTIVITIES

### Google Developer Student Club NUS | Back-End Lead

Aug 2022 – Aug 2023

- Collaborated with *The Food Bank Singapore Ltd* and created a Learning Content Management System to be used by Food Bank's Juniors Club programme, consisting of over **100 members**
- Facilitated development of back-end architecture, including database schema and API endpoints

### NUS School of Computing | Teaching Assistant

Aug 2022 – Jan 2024

- Ran weekly lessons for: **Software Engineering, Computer Organisation, Big Data Systems for Data Science**
- Monitored students' progress on deliverables, graded assignments, and invigilated examinations

## AWARDS

- **Best Project Award (Silver)** – 21<sup>st</sup> School of Computing Term Project Showcase (STePS)
- Commendation Letter for top students in Programming Methodology II
- SBSTransit Education Award – University Category (Every year from 2020 – Present)

## TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript/TypeScript, Swift, HTML5/CSS3, Python, C, C++, C#, SQL, NoSQL
- **Framework and tools:** ReactJS, Next.js, Spring Boot, Redux, NestJS, Express.js, Socket.IO, Hadoop, Spark, Unity
- **Coursework:** Data Structure & Algorithms, Computer Networks, Database Systems, Database Implementation
- **Languages:** English (Proficient), Chinese (Basic)