

AARON TAY KAI BOON

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EDUCATION

National University of Singapore

Aug 2022 - Present

Bachelor of Computing in Computer Science (Honours)

Hwa Chong Institution

Jan 2013 - Dec 2018

GCE A-Level

Graduated with 4 H2 Distinctions in Singapore-Cambridge GCE A-Level

- Awarded Hwa-Chong Diploma with Distinction for outstanding academics and CCA contributions

RELEVANT COURSEWORK

Programming Methodology

Discrete Structures

Data Structures and Algorithms

Computer Organisation

Software Engineering

WORK EXPERIENCE

Shiseido Asia Pacific (Singapore), Master Data Management Executive

Nov 2021 - Jun 2022

- Facilitated creation and organisation of local codes in database with excel.
- Liaised with different brand holders to rectify inaccuracies in provided product information
- Implemented excel formulas to help other employers retrieve data on products more efficiently and organise data in excel pivot tables and charts

Singapore Armed Forces (Singapore), Infantry Specialist

Jan 2020 - Nov 2021

- Coordinated and oversaw training initiatives for a team. Played a key role in mission planning and took lead in conducting mission briefings.
- Foster and cultivate strong interpersonal relationships and mediated of conflicts within team.

PROJECTS

Money Manager Application | Next.js, Prisma, Trpc, Developer

Jun 2023 - Aug 2023

- Developed a full-stack web application to help track personal expenses and manage payments within friends
- Developed user authentication, designed React components, and handled API requests for web application.
- Implemented type-safe RESTful APIs using TRPC and handled queries to database using Prisma ORM. Leverage on React query to improve efficiency of API calls.
- Created database models with Prisma ORM and ensured inputs to database were valid through form validation
- Repository: [github.com/Kb-Tay/money manager](https://github.com/Kb-Tay/money-manager).

UNOFAS | Java, IntelliJ, JavaFX, Git, GitHub, Developer

Aug 2023 - Sep 2023

- Collaborated in developing a software for financial advisors to track clients' contacts and schedule appointments using a command line interface, committing over 2000 lines of functional and documentation code.
- Applied good software engineering patterns such as MVC and command patterns
- Test team's software and leveraged JUnit test, integration testing and applied defensive coding practices to reduce bugs
- Repository: github.com/Kb-Tay/tp.

Eusoff Hall Application | Next.js, Typescript, Frontend Developer and Project

Aug 2023 - Sep 2023

lead

- Constructed frontend reactive components with React and UI styling with Material UI and tailwind css
- Handled global state management within application and implemented user authentication for secured pages using Redux
- Engineered application API with Axios to enable users to seamlessly perform jersey bidding for more than 400 students.

TECHNICAL SKILLS

Languages: Python, Java, C, HTML/CSS, JavaScript, Typescript

Developer Tools: Git, Github, VS Code, IntelliJ, Vercel

Technologies/Frameworks: NextJS, React, Redux, Tailwind css, Express, Node, Prisma ORM, JUnit

LEADERSHIP / EXTRACURRICULAR

Eusoff Hall Squash Team, Captain

Aug 2023 - Present

- Organised and conducted trainings. Oversee scheduling and logistics acquisition for team.
- Collaborated closely with Sports Management Committee to ensure team's progress is aligned with hall's targets.

Eusoff Hall Hackers Team, Project Lead and Developer

Aug 2022 - Present

- Supervised sprints within team, standardised Github workflow and assigned tasks according to teammates' capabilities and strengths
- Created a hall points calculator as a freshman and had highest code commits. Currently developing a one-stop application to solve hall problems as a senior. Repository: https://github.com/Kb-Tay/hall_calculator