Yim Jian Bing

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Education

National University of Singapore	Expected May 2027
Bachelor of Science in Computer Science	*CAP:* 4.42 / 5.0

- **Relevant Coursework:** Data Structures and Algorithms, Programming Methodology I & II, Software Engineering, Computer Organization, Discrete Math, AI and Machine Learning, Database Systems, Computer Networks

Technical Skills

Languages: Java, JavaScript, TypeScript, Python, HTML, CSS, SQL
Technologies: PostgreSQL, React, Node.js, Next.Js, FastAPI, Firebase, MongoDB, Hugging Face, React Three Fiber
Developer Tools: Vercel, Git, Visual Studio Code, IntelliJ, Figma, Canva, GitHub Actions, GitHub Pages, Prettier
Libraries: OpenAI API, Mantine UI, Tailwind CSS, Jest, JUnit4, NumPy

Experience

Central Provident Fund Board (CPF Board)	Jan 2025 – May 2025
Software Engineer	*Singapore*

- Developed an AI-powered transcription tool using LLMs from OpenAI and HuggingFace (Whisper API) with automated timestamp generation, sentimental analysis to streamline Service Centre's work processes, improving overall workflow.

PhillipBank	May 2025 – July 2025
Backend Developer	*Cambodia*

- Obtained through CFG's NGIP programme
- Will be tasked with the maintenance and upkeep of the database servers

Projects

Turtogotchi | *Dart, Flutter, Firebase, Figma, Canva*
- Created an educational virtual pet app which managed to raise $10K+ funding through SPCA Grant and was showcased at advocacy event
- Implemented gacha monetization system and custom made sprites to capture user retention and maximize engagement.
- Achieved **Runner-Up (People's Choice)** at DSTA Code_EXP 2024

GameBling | *React, Firebase, Express, Figma, Prettier*
- Spearheaded an educational platform for new poker players, utilizing automated deployment with GitHub Actions and Vercel, as well as Prettier for better team collaboration and code maintability)
- Developed User-friendly UI through interactive CSS animations while handling the creative and ideating process with the usage of Figma

Personal Website | *Next.js, React 3 Fiber, Tailwind, GSAP, Vercel, TypeScript*
- Engineered an interactive Next.js Web App utilizing React 3 Fiber for 3D models, GSAP for animations, and Tailwind CSS for inline CSS styling
- Ensured type safety through usage of TypeScript for better readability

GigSpace | *React, Mantine UI, Express, Figma*
- Assisted in creation of marketing platform focused around Singaporean freelancers, providing end users with a centralized view for engaging freelancer work for any private events, featuring more than 20+ categories of freelance work
- Crafted responsive UI components, and enhanced scalability through reformation of Express backend server

Achievements

- **Won 1st Runner-Up** at DSTA BrainHack 2024 (Code_EXP) • Led two-pronged solution for 1500+ participant hackathon

- **Secured $10k SPCA Advocacy Grant** • Funded development of conservation tech project