Koh Tze Shyan Benjamin

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EDUCATION

National University of Singapore   Singapore, Aug 2023 - May 2027
Bachelor of Computing (Hons) in Computer Science   GPA: 4.92 (First Class Honors), as of Y2S2
  • Dean's List (Year 1 Semester 2)
  • Relevant Coursework: Programming Methodology, Data Structures and Algorithms, Mathematics

St Joseph's Institution   Singapore, Jan 2019 - Nov 2020
International Baccalaureate Diploma   44 Points
  • HL Economics, HL Physics, HL Chemistry, SL Mathematics, SL Language and Literature, SL Chinese B

SKILLS AND AWARDS

Programming:	Python • Java • JavaScript
Tech Stack:	Node • Expo • React • Supabase
Non-Academic Awards	Edusave Character Award (2012, 2013, 2020)
	Edusave Award for Achievement, Good Leadership and Service (2014, 2020)
	Lasallian Distinguished Service Award (2020)

EXPERIENCE

NCS Pte. Ltd., Business Analyst Intern   Singapore, Jan 2023 - Jul 2023
  • Conducted rigorous User Acceptance Testing on the functionality of the front and back-end of the SAP database management system for a human resource payroll project, ensuring 100% pass rate for all test cases.
  • Created complex Excel templates useful across various project sub-teams and fiscal years, automating the checking of millions of payroll records, thereby studying trends and highlighting discrepancies instantly.

Locket Allegro, Freelancer   Singapore, Feb 2023 - Jun 2023
  • Used Shopify, basic HTML and CSS to build and design the entire website for Locket Allegro, a home-based jewelry business serving over 100 customers monthly.
  • Developed and managed the online workflow of the business, ensuring a seamless user experience.

NOTABLE PROJECTS

Custom Crossword Web Game, Backend Developer   Jan 2025 – Present
  • Used Scala, Python and React to build a custom crossword web game with daily refresh based on "Brain Rot" language, a Gen Alpha online urban slang.
  • Awarded Best Polygot Hack for NUS Hack&Roll 2025.
  • Reached a high of more than 500 daily users globally.

Group Expense Manager Telegram Bot, Backend Developer,   Oct 2024 - Present
  • Used Python and Heroku to build an intuitive yet comprehensive group expense manager bot on Telegram that records and manages expense payments and debts within a group.
  • Developed key features such as expense tracking, customizable splits by percentage / amount among selected members, debt simplification for efficient settling of debts and image recognition for receipts.

Personal Expense Tracker Mobile App, Full Stack Developer   May 2024 – Aug 2024
  • Used React Native, Expo, Node.js and Jest to develop and test an advanced personal expense tracker mobile application for IOS and Android.
  • Developed key features such as expense tracking, seamless budget planning and goals tracking, complete automation of recurrent transactions, and real-time stock market updates through CoinGecko API.

LEADERSHIP

Activity Head (EXCO), Tembusu College Christian Fellowship   Aug 2024 - May 2025
  • Plan and coordinate weekly gatherings in the Residential College for Christians, as well as outreach activities to the community.

Infantry Commander, Singapore Armed Forces   Aug 2021 - Nov 2022
  • Led 16 men through rigorous training and outfield exercises, maintaining their discipline and well-being

Vice-President, St Joseph's Institution Senior Student Council   Jun 2019 - Jun 2020
  • Supervised and oversaw the planning and execution of all student council activities, comprising event planning, student-run initiatives and external liaison

Head Prefect, St Andrew's Junior School Prefectorial Board   Jan 2014 - Nov 2014
  • Maintained the organization and discipline of the prefectorial board as the figurehead of the student body

ADDITIONAL INFORMATION

Interests: Football • Exercising • Guitar