Ong Chang Heng Bertrand

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EDUCATION

National University of Singapore

Bachelor of Computing (Honours) in Computer Science   *Aug 2022 - Present*

- Cumulative GPA: 4.45
- Awards: Certificate of Outstanding Performance in Digital Ethics and Data Privacy
- Relevant Coursework: Programming Methodology, Discrete Structures, Data Structures and Algorithms, Software Engineering, Artificial Intelligence, Computer Networks, Databases, Information Security

Hwa Chong Institution

Singapore-Cambridge GCE 'A' Levels   *Jan 2014 - Dec 2019*

- 6 Distinctions (AAA/A)
- Awards: Hwa Chong Merit Diploma, EAGLES (2018, 2019)
- Subjects taken: H2 Physics, H2 Chemistry, H2 Mathematics, H2 Economics, H1 General Paper, H1 Project Work

WORK EXPERIENCE

Betr Beta

Software Engineering Intern   *Jan 2024 – Present*
ReactJS, NextJS, Firebase, NodeJS, TailwindCSS, Figma

- Improved scalability and loading speed of the company's landing page, significantly optimizing user experience.
- Frontend development of company's website to deliver intuitive and responsive user interfaces.
- Backend development of user login authentication and password recovery, ensuring robust security and seamless functionality.

Singapore Armed Forces

Manpower Artillery Officer   *Mar 2021 – Jan 2022*

- Coordinated large scale events such as SAF Day Parade and Milestone Parades, which required the liaising with various stakeholders to ensure the operation was effectively carried out.
- Headed the Human Resource (HR) department which processes administrative requirements of more than 300 people, passing the annual HR audit with zero major errors.

PROJECTS

PocketPlanner

MongoDB, ExpressJS, ReactJS, NodeJS   *May 2023 – Aug 2023*
https://pocketplanner.vercel.app/

- Developed a full-stack web application using MERN stack which aims to help users better organise their day.
- Application features a calendar, to-do list and a productivity tracker.
- Issued Project Gemini (Intermediate) certificate as part of NUS's Orbital Programme.

EXTRACURRICULAR ACTIVITIES

NUS Squash

Member   *Aug 2022 – Present*

- Represented the NUS in the Singapore University Squash Games and achieved runners up.

- As the vice-captain of the Temasek Hall Squash team (Temasek Hall is one of the six Halls of Residences in NUS), represented Temasek Hall in Inter-Hall Games (IHG) and won the overall championship in the 22/23 and 23/24 school years.

Hwa Chong Institution Squash

Captain   *Apr 2014 – Jul 2019*
- Spearheaded and oversaw team trainings for 6 years, which eventually led the team emerging as the 2019 A Division Champions.
- Actively involved in CCA Council which required working closely with other CCA heads to enhance the CCA landscape and experience.

TECHNICAL SKILLS & INTERESTS

Languages: Java, Javascript, Python, HTML/CSS, SQL (Postgres), C
Frameworks: ReactJS, NodeJS, ExpressJS, PostgreSQL, TailwindCSS, Firebase
Interests: Squash, Photography, Blockchain Technology, Artificial Intelligence, Volunteering, Entrepreneurship