

Ng Chin Chia

billyngchinchia@gmail.com | <https://ngchinchia.vercel.app/> | +65 89203108

EDUCATION

BACHELOR DEGREE IN COMPUTER SCIENCE (CYBERSECURITY)

Aug 2020 – Sep 2023

University of Wollongong

Relevant Modules:

- CSCI235 Database Systems: Grade - 85/100
- ISIT307 - Web Server Programming: Grade - 80/100
- CSIT115 - Data Management and Security: Grade - 78/100
- CSCI203 - Algorithms and Data Structures: Grade - 77/100
- CSIT226 - Human-Computer Interaction: Grade - 76/100
- CSIT121 - Object Oriented Design and Programming: Grade - 75/100

DIPLOMA IN ELECTRICAL ENGINEERING (POWER)

Aug 2014 – Aug 2018

Ngee Ann Polytechnic

EXPERIENCE/ WORK EXPERIENCE

SG HIRED

Nov 2023 – Dec 2023

Software Engineer

- Implemented and managed state using Redux in a React Native mobile application, resulting in a scalable and efficient application architecture.
- Ensured a systematic and collaborative approach to issue tracking and resolution within the development workflow.
- Developed and optimized reusable UI components for upcoming features.
- Applied analytical skills to identify and resolve technical issues and bugs independently.
- Devised a solution to enhance Twilio message authenticity, improving communication reliability.

ST ENGINEERING, SINGAPORE

Jun 2017 – Aug 2017

Maintenance System Intern

- Conducted user research and usability testing, designed wireframes driven from research data for the company's platform using Adobe XD, resulting in an increase in user satisfaction and a development reduction process by 15%.
- Played a key role in delivering final user interfaces, benefiting thousands of visitors who interact with the platform.

ST ENGINEERING, SINGAPORE

Mar 2017 – May 2017

Transport System Intern

- Utilized Maximo to manage, track, and report train-borne alarm data metrics, resulting in improved alarm response times and higher levels of system reliability by 10%.
- Implemented debugging procedures to rectify alarm errors, contributing to a 25% decrease in alarm-related disruptions.
- Developed concise documentation and test plans for site installation tests, improving productivity by 30%.

RELEVANT PROJECTS

SIMPLY TASK APP (WEB)

Aug 2023 – Aug 2023

- Developed frontend of a full-stack task management web application using React, MUI, Typescript.
- Implemented backend logic of web applications using Express.js, MySQL, and TypeORM for data management.
- Designed backend logics using MVC architectural pattern and developed RESTful APIs for seamless data interaction.

BREW BUBBLE (MOBILE)

Jun 2023 – Aug 2023

- Created and delivered user interfaces of beer mobile applications using Figma.
- Spearheaded translation of design concepts on the frontend using React Native.
- Designed and developed backend applications using Express.js, MongoDB, MVC architectural pattern and RESTful APIs.
- Implemented encryption techniques such as bcrypt and SHA-256 within the login authentication process using JWT.
- Conducted endpoint testing using Postman to validate API functionality, ensuring data integrity.
- Deployed mobile application on the Google Play Store using Google Cloud infrastructure.

SKILLS & ABILITIES

Programming Languages: Typescript, JavaScript, Java, C++, Python, PHP

Web Development: HTML, CSS, React, Express.js, Node.js, Tailwind, Figma, Postman, Git, MySQL, MongoDB

Third Party Libraries: Firebase, Twilio, Formik, Stripe

Operating Systems: Windows, macOS, Kali & Ubuntu on Linux

Other Languages: English (Fluent), Chinese (Native)

Soft Skills: Excellent team player, Great communicator, Problem solver, Growth mindset, Adaptable & Creative Thinker