

Bryan Jonathan

✉ 24jonathan.bryan@gmail.com

☎ +62 878 77100063

🌐 bryannjonathan

📍 Shenzhen, China

EDUCATION

The Chinese University of Hong Kong, Shenzhen,

09/2021 – 05/2025

Bachelor of Science in Computer Science and Engineering

Shenzhen, China

- Received 50% tuition fee and full accommodation scholarship
- Dean's List, Major GPA: 3.498/4.000
- Relevant courses: Data Structure (Java), Understanding Data Science (R), Operating Systems, Software Engineering, Fundamentals of AI

Raffles Christian School, High School Diploma

07/2015 – 05/2021

- GCSE A Level: 1 A* & 2 A in Computer Science, Mathematics, and Physics
- The Academic Excellence Awardee AY 2018/2019

Jakarta, Indonesia

PROJECTS

TaskTodo, task-todo-wood.vercel.app/

- Developed a full-stack to-do list website using Next.js, Clerk for authentication, Prisma ORM, and MongoDB.
- Implemented user authentication, allowing users to create accounts and securely manage their tasks.
- Enabled users to add, delete, and mark tasks as complete.
- Deployed the application on Vercel
- GitHub: <https://github.com/bryannjonathan/TaskTodo>

A* Search Algorithm

- Performed A* Search algorithm to solve 6-puzzle game using Python
- Used Manhattan Distance as the heuristics

Differential Testing

- Performed differential testing to find bugs in PIG interpreters
- Developed the correct version of the interpreter and the generator for PIG input code
- Created a test driver to generate input, execute the interpreters, and compare the results

ESG Ratings for Companies

- Work in a team of four to develop a database to calculate and store ESG ratings for companies using MySQL and Python
- Utilized custom formulas to calculate the average ESG rating for a company

Tic-Tac-Toe

- Designed and implemented a graphical user interface (GUI) for a Tic-Tac-Toe game using Python's Pygame library
- Included both player vs. player and player vs. computer game modes
- Integrated the Minimax algorithm to create an intelligent AI opponent for the player vs. computer mode
- GitHub: <https://github.com/bryannjonathan/TicTacToe>

Discord Music Bot

- Developed a Discord music bot using Python Discord API
- Allow users to listen, play, skip, and pause music together in Discord

RELEVANT EXPERIENCE

Web Developer, *InvestSync CUHKSZ*

03/2024 – present

- Developing and designing the official website for InvestSync, a student club in CUHKSZ focused on investment and finance education
- Collaborating in a team of 3 to develop the website

Shenzhen, China

Indonesian Student Association in China Shenzhen Branch,*Member of Department of IT and Academics*

09/2022 – 06/2023

Shenzhen, China

- Organized "Stugether," which provided a place for CUHKSZ Indonesian students to study together
- Led a team of 10 as the head of Liason Officers in "Shenzhen Outing," an outdoor outing event that 80 people attended

TechnoScape Hackathon 5.0, Participant

05/2022

- Worked in a team of 4 to design a website for purchasing video game currency
- Learned Figma to create the website's interface

Jakarta, Indonesia

Raffles Peduli with Regina Realty, Logistics

10/2019 – 02/2020

- Prepared the logistics and venue to help students of lower income to learn Math and English every weekend
- Recruited 4-5 tutors every week to teach lower-income students

Jakarta, Indonesia

PT Daruma Adira Pratama, Intern

12/2019

- Inputted hundreds of data of product information daily into the database for the company's e-commerce
- Experienced the working environment and how to communicate with professionals
- Learned new Microsoft Excel skills to help sort out the inventory of the company

Jakarta, Indonesia

SKILLS

Python, C++, Java, R, Microsoft Office, HTML & CSS, React.js, Next.js, MySQL

Languages: Bahasa Indonesia (Native), English, Chinese (Basic)