Bryan Jonathan

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🔗 https://bryanjonathan.netlify.app/

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 Jakarta, Indonesia
- The Academic Excellence Awardee AY 2018/2019

PROJECTS

Personal Website, *https://github.com/bryannjonathan/personal-website* ⬈
- Created personal portfolio website to showcase projects and experiences using Next.js
- Features smooth scrolling animation and downloadable CV
- Created reusable components to enhance development efficiency and maintainability
- Deployed on Netlify

TaskTodo, *https://github.com/bryannjonathan/TaskTodo* ⬈
- 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

Differential Testing and Dataflow Analysis
- 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
- Conducted dataflow analysis to identify undeclared variables in defective PIG scripts

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, *https://github.com/bryannjonathan/TicTacToe* ⬈
- 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

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 Shenzhen, China
- Collaborating in a team of 3 to develop the website

Indonesian Student Association in China Shenzhen Branch,   09/2022 – 06/2023
Member of Department of IT and Academics   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   Jakarta, Indonesia
- Learned Figma to create the website's interface

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   Jakarta, Indonesia
- Recruited 4-5 tutors every week to teach lower-income students

PT Daruma Adira Pratama, *Intern*   12/2019
- Inputted hundreds of data of product information daily into the database for the company's e-commerce   Jakarta, Indonesia
- Experienced the working environment and how to communicate with professionals
- Learned new Microsoft Excel skills to help sort out the inventory of the company

SKILLS

Python, C++, Java, R, Microsoft Office, HTML & CSS, React.js, Next.js, MySQL
Languages: Bahasa Indonesia (Native), English, Chinese (Basic)