Bryan Jonathan

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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

PROJECTS

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

RELEVANT EXPERIENCE

Sun Never Sets Studio, *Frontend Development Intern* ⧉ | 09/2024 – present
- Developing a student forum to facilitate the sharing and exchange of campus life and academic information to enhance interactions among students | Shenzhen, China

Web Developer, *InvestSync CUHKSZ* | 03/2024 – present
- Collaborate in a team of 3 to develop and design the official website for InvestSync, a student club in CUHKSZ focused on investment and finance education | Shenzhen, China

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

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)