

Benn Tan

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

BComp. in Computer Science
Matriculating in Aug 2023

VICTORIA JUNIOR COLLEGE GCE A LEVELS

2019 - 2020
Offered 4H2 PCME
88.75 Rank Points

CO-CURRICULAR

ACTIVITIES

VJC V HACK

Co-Founder / Vice President
Created learning resources
Conducted ad-hoc programming lessons
Created a VJC link shortener

SKILLS

PROGRAMMING

JavaScript/TypeScript (React, Node)
Swift (iOS Development)
HTML
CSS (i.e TailWind CSS, Ant Design)
C++ (for Competitive Programming)
Python

DEVOPS

DigitalOcean
SSH
nginx
CI/CD Pipelines
Docker
Git (GitHub/GitLab)

YOUTUBE CHANNEL

- Occasionally uploaded learning content on my channel [here](#)
- Double functions as a way to document my code journey when I started at 14 years old

EXPERIENCE

ASCENT TECH | SOFTWARE ENGINEER

Dec 2020 - Apr 2021 | Singapore

- Assembled a team of student software engineers
- Focused on using iterative development to transition from a basic MVP to a high-performant, application built on scalable microservice architecture using React, MongoDB
- Worked on developing an automated algorithm to produce the most optimal matching of students and mentors as opposed to the traditionally laborious way of manual assignment.

DRINKSGOWHERE | SOFTWARE ENGINEER INTERN

Jan 2021 - Feb 2021 | Singapore

- Developed an automated workflow to transfer high volumes of messy data on bars menu to formatted csv files with Node.js

SGEXAMS | STUDENT SOFTWARE ENGINEER

Mar 2020 - Dec 2020 | Remote

- Streamlined a seamless database migration workflow from PostgreSQL to MongoDB
- Responsible for the development and maintenance of the SGExams server

PROJECTS

ONLINE JUDGE | V-HACK

2020

- Designed a powerful, real-time facial recognition service with FacePlusPlus API from a collection of photos that I scraped from my official school portal
- Created an online judge for V-Hack Society to automatically grade code submissions in a secure sandbox environment with JudgeO API against a set of pre-defined test cases
- Developed with Node.js, npm, Express, MongoDB, EJS and hosted with DigitalOcean, nginx (for reverse proxy) and Namecheap for domain

AWARDS

NUS LIFEHACKS HACKATHON 2022

Uses OpenCV wrapped with Python and computational geometry to count the number of proper push-ups and sit-ups one has executed

Won Special Prize (worth SGD350) against university students. [Viewable here](#)

NATIONAL OLYMPIAD IN INFORMATICS 2020

Top School Scorer and Silver Medalist

SINGAPORE GAMES CREATION COMPETITION 2017

Finalist and won Merit Award out of 100+ teams

Game is deployed [here](#)

RECOMMENDATIONS

Endorsement from my alma mater's principal

Endorsement from my previous superior in DrinksGoWhere