Choo Tze Jie

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Education

National University of Singapore	Aug 2022 - Present

Currently pursuing a Bachelor of Computing in Computer Science (with Honours)

Nanyang Junior College	Jan 2018 - Dec 2019

Achieved 88.875 rank points in GCE A-Level

Zhonghua Secondary School	Jan 2014 - Dec 2017

Achieved raw L1R5 score of 7, net L1R5 score of 3 in GCE O-Level

Certificates

Introduction to Machine Learning	7 Aug 2023

Awarded by Duke University on Coursera

Foundation Programme in Server, Quality Assurance and Site Reliability Engineering	12 Jul 2023

Awarded by Tiktok for the 2023 Tiktok Tech Immersion

Python and Statistics for Financial Analysis	9 Jul 2023

Awarded by The Hong Kong School University of Science and Technology on Coursera

Python and Pandas for Data Engineering	30 May 2023

Awarded by Duke University on Coursera

Platform Thinking: What's beyond Uber?	24 Jan 2023

Awarded by Politecnico di Milano on Coursera

Awards and Achievements

NYJC Academic Excellence Award	2019
NYJC Orientation Group Leader	2019
Facilitator for NYJC Experience	2019
Selected as a member for the prestigious NYJC Galileo Programme	2018 - 2019
CDC - CCC Education Merit Award	2017, 2018
SAC Zhonghua Merit Scholarship	2017
Edusave Scholarship	2015, 2017
Top in Class	2015
Merit Award for 10th Singapore Games Creation Competition	2015
2nd place for 50 Years On – Remembering Our Everyday Pioneer Heroes – Digital Story Competition	2015
Silver Award for National Library Board Certificate of Appreciation	2015
MOE Edusave Certificate of Academic Achievement	2014, 2016, 2018

Co-curricular Activities (CCA)

Photographer for Nanyang Photographic Society	2018 - 2019

Deployed as a photographer for many events:

• Class Orientation	2019
• J2 Dinner and Dance	2018
• CCA Awards	2018

Was also selected as a facilitator for many events:

• Basic Photography Course	2019

- CCA Day Camp   2019
- CCA Orientation   2019
- CCA Selection Trials   2019

Member of ZHSS Infocomm Club   2014 - 2017
Was chosen as an audio-visual (AV) team leader in 2016 - 2017 and spearheaded the AV system for major school events such as National Day 2016.

Actively participated in many competitions:

- Schools Digital Media Awards   2017
- Safety With Me Competition (Animation and Short Film)   2016
- Singapore Games Creation Competition   2015, 2016
- Safety Starts With Me Competition   2014
- National Schools Digital Media Competition   2014

Projects

URLShorts   July 2023
A URL shortener full stack web app meant to provide short and concise links for long URLs.
Frontend uses React.js with Chakra UI and is deployed on Netlify. Backend uses Node.js + Express.js and is hosted on Render. MongoDB Atlas Database is used for the database.

GrindTogether   May 2023 - Aug 2023
Project for NUS Orbital Programme 2023.
A full stack web app that integrates CRUD functionality and allows NUS students to post study invitations based on module, faculty and location.
Frontend uses React.js + Next.js with Bootstrap 5, backend uses Node.js + Express.js with Firebase used for authentication and database. Web app is deployed on Netlify.

Jeopardy   May 2023
A web app which allows users to play a simple variant of the popular trivia quiz game Jeopardy! anywhere. Users can skip questions as they desire and can click to reveal the answers. The questions are fetched in a random manner from jService API.
Developed using React.js and deployed on Netlify.

Etch-A-Sketch   Dec 2022
A website where users can engage in interactive grid-based drawing and colouring experiences.
Developed using HTML 5, CSS and JavaScript.

Skills

Written and spoken languages: English, Chinese

Programming Languages: Python, Java, JavaScript, TypeScript

Frameworks: React.js, Node.js, Express.js, Bootstrap 5, Next.js, Chakra UI

Version Control: Git, Github

Web development: HTML 5, CSS

Database: PostgreSQL, Firebase Realtime Database, MongoDB

Data Analysis and Visualisation: RStudio, Excel, Pandas, NumPy

Software Testing: Cypress

Deployment: Netlify, Render