

Yeoh Han Yi

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EDUCATION

National University of Singapore

Bachelor of Computing in Computer Science, Second Major in Statistics

Aug. 2023 – May 2027 (Expected)

Current GPA: 4.6/5.0 (Ongoing)

Dunman High School

H3 Physics, H2 Physics, H2 Chemistry, H2 Mathematics, H2 Economics

Jan. 2015 – Dec. 2020

Rank Points: 88.75/90

TECHNICAL SKILLS

Languages: Python, Java, HTML/CSS, Javascript/Typescript, C/C++, R

Frameworks: React, NextJS, Astro

Developer Tools: Git, VSCode, IntelliJ, Eclipse, Neovim

Libraries: scikit-Learn, pandas, Tensorflow, MLPack

Others: LATEX, Kaggle

I am always practising and learning about the above, and am willing to learn new languages/technologies if needed.

PERSONAL PROJECTS

ArknightsParticles | *Typescript, ThreeJS, GLSL*

December 2023

- Learnt Typescript and picked up ThreeJS by reverse-engineering a particle effect from a game website.
- Refactored and optimized outdated GLSL shaders and ThreeJS code to use the latest ThreeJS functionalities.
- Migrated the project from an outdated React framework to the modern NextJS framework, deployed on Vercel.
- Passion project built over freshman winter break to learn more about web-development and visual elements.

Digits Predictor Webapp | *Tensorflow, HTML, CSS, Javascript*

December 2023

- Trained a Tensorflow convolutional neural network to predict digits given a handwritten image with 97% accuracy on Kaggle.
- Utilised TensorflowJS to import the model in JSON format and handle predictions.
- Create a canvas component to take handwritten user input and translate into a data array used by the imported model to generate a prediction.
- Model confidence is then plotted using ChartJS.

Personal Website | *HTML, CSS, Typescript, React, NextJS, ThreeJS*

December 2023

- Picked up basic web-development languages such as HTML, CSS and Javascript over two weeks to build a website.
- Self-learned React and the NextJS framework, as well as implemented beginner ThreeJS concepts to add 3D elements to my website.
- The website will continuously be updated and improved over time as I learn more about web-development.

EXPERIENCE

NUS/RC4 AI | *Member*

August 2023 – Present

Residential College 4 | National University of Singapore

- Member of a student union group that is partnered with AISG, which provides AI related education to members.

OrcaCode | *Member*

August 2023 – Present

Residential College 4 | National University of Singapore

- Member of a coding interest group learning about current computing coursework and competitive programming problems.

Mapping Operations Coordinator

November 2022 – January 2023

GrabTaxi Holdings Pte Ltd

- Daily deployment to partners and vendors operating under Grab to update information within database.
- Review, updating and quality control of information in both online and offline systems.
- Aided in providing for a newly-developed pilot system.
- Involved in other ad hoc and miscellaneous duties.