Yeoh Han Yi

📞 9358 0222 ⓞ github.com/yhanyi ‹/› yeohhanyi.vercel.app ▥ linkedin.com/in/yeoh-han-yi ✉ yeohhanyi0916@gmail.com

EDUCATION

National University of Singapore — Aug. 2023 – May 2027 (Expected)
Bachelor of Computing in Computer Science, Second Major in Statistics — *Current GPA: 4.6/5.0 (Ongoing)*

Dunman High School — Jan. 2015 – Dec. 2020
H3 Physics, H2 Physics, H2 Chemistry, H2 Mathematics, H2 Economics — *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'm always practising and learning more about the above, and am eager and willing to learn new tools and technologies. I'm open to opportunities in any field but my current interests lie in machine learning and full-stack development.

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- Refactored and optimized outdated GLSL shaders and ThreeJS code to use the latest ThreeJS functionalities.
- Migrated the project from an outdated React framework to the modern NextJS framework, deployed on Vercel.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.
- Created a canvas component to generate a data array from handwritten user input, which is used by the imported model to produce 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-learnt React and the NextJS framework and learnt ThreeJS to add 3D elements to the 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 NUS AI, a student union group that is partnered with AISG in providing AI related education to members.

OrcaCode | *Member* — August 2023 – Present
Residential College 4 | National University of Singapore
- Member of a residential college 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 databases.
- Review, updating and quality control of information in both online and offline systems.
- Aided in provision of data for a pilot system under development.
- Involved in other ad-hoc and miscellaneous duties.