

# YEOH HAN YI

Availability: 04 May 2024 - August/September 2024 (Estimated)

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## EDUCATION

<b>National University of Singapore</b> Bachelor of Computing in Computer Science, Second Major in Statistics	Aug. 2023 – May 2027 (Expected) Current GPA: 4.6/5.0 (Ongoing)
<b>Dunman High School</b> H3 Physics, H2 Physics, H2 Chemistry, H2 Mathematics, H2 Economics	Jan. 2015 – Dec. 2020 Rank Points: 88.75/90

## TECHNICAL SKILLS

- **Languages:** Python, Java, C/C++, HTML/CSS, Javascript/Typescript, SQL
- **Frameworks:** React, NextJS
- **Developer Tools:** Git, VSCode, IntelliJ, Eclipse, Neovim, Jupyter Notebook
- **Libraries:** Scikit-Learn, Pytorch, Tensorflow, Keras, pandas

## PERSONAL PROJECTS

<b>MedExtension</b>   <i>Javascript, Chrome, OpenAI</i> <ul style="list-style-type: none"><li>• Built a Chrome extension to generate summary text for highlighted snippets of text on online medical documents.</li><li>• Gained experience with querying and managing outputs using OpenAI's 3.5-Turbo model.</li><li>• Paired with a CRUD forum website made using Typescript, NextJS and MongoDB for submission.</li><li>• Made for Health Hack 2024 as a first hackathon project as the only programmer in the team.</li></ul>	December 2023
<b>ArknightsParticles</b>   <i>Typescript, ThreeJS, GLSL</i> <ul style="list-style-type: none"><li>• Learnt Typescript and picked up ThreeJS by reverse-engineering a particle effect from a game website.</li><li>• Refactored and optimized outdated GLSL shaders and ThreeJS code to use the latest ThreeJS functionalities.</li><li>• Migrated project from an outdated React framework to NextJS, deployed on Vercel.</li><li>• Built over freshman winter break to learn about web-development.</li></ul>	December 2023
<b>Digits Predictor Webapp</b>   <i>Tensorflow, HTML, CSS, Javascript</i> <ul style="list-style-type: none"><li>• Trained a Tensorflow convolutional neural network to predict digits given a handwritten image with 97% accuracy on Kaggle.</li><li>• Utilised TensorflowJS to import model in JSON format and handle predictions.</li><li>• Created a canvas component to generate a data array from handwritten user input, used by the model to generate predictions.</li><li>• Model confidence is then plotted using ChartJS.</li></ul>	December 2023
<b>Personal Website</b>   <i>HTML, CSS, Typescript, React, NextJS, ThreeJS</i> <ul style="list-style-type: none"><li>• Picked up basic web-development languages such as HTML, CSS and Javascript over two weeks to create a website.</li><li>• Self-learnt React and the NextJS framework and learnt ThreeJS to add 3D elements to the website.</li></ul>	December 2023

## EXPERIENCE

<b>NUS/RC4 AI</b>   <i>Member</i> <i>Residential College 4   National University of Singapore</i> <ul style="list-style-type: none"><li>• Learnt more about machine learning and artificial intelligence as a member of NUS AI, a student union group partnered with AISG in providing AI related education to members.</li></ul>	August 2023 – Present
<b>OrcaCode</b>   <i>Member</i> <i>Residential College 4   National University of Singapore</i> <ul style="list-style-type: none"><li>• Learnt more about computing coursework and competitive programming problems through joining a residential college coding interest group.</li></ul>	August 2023 – Present
<b>Mapping Operations Coordinator</b> <i>GrabTaxi Holdings Pte Ltd</i> <ul style="list-style-type: none"><li>• Updated information within databases through daily deployment to partners and vendors operating under Grab.</li><li>• Reviewed, updated and ensured quality and accuracy of information in online systems.</li><li>• Provided data for a pilot system under development.</li><li>• Involved in other ad-hoc and miscellaneous duties.</li></ul>	November 2022 – January 2023