

Ng Yu Hueng

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EDUCATION

Singapore University of Technology and Design

- Bachelor of Engineering (Computer Science and Design)
- GPA 4.13/5.0
- Date of graduate: May 2026

Singapore

Sep 2022 to Present

Catholic Junior College

- Graduated with an 'A' Level Certificate
- Took the curriculum Physics, Math, Chemistry and Economics

Singapore

Mar 2018 to Nov 2019

WORK EXPERIENCE

Tele-Centre Services Pte Ltd.

Customer Service Officer (MOH-EL)

- Diligently handled a high volume of incoming calls related to COVID-19, serving as the first point of contact for individuals seeking assistance during the pandemic. Offered accurate and up-to-date information, tailored guidance, and compassionate support to callers.
- Demonstrated communication skills by breaking down complex health directives into clear advice for people from diverse backgrounds.

Singapore

Jan 2022 to May 2022

PROJECT EXPERIENCE

DBS DocCheck | Ruby on Rails, JavaScript, HTML, CSS, SQL, MongoDB, Git, Google Cloud

May 2024 to Present

- Developed a web application using Ruby on Rails, JavaScript, HTML, and CSS to streamline the credit card application process for DBS, specifically targeting foreign users.
- Implemented robust form validation and user-friendly interfaces to minimize errors and improve the user experience.
- Collaborated closely with 2 DBS staff to understand requirements and ensure seamless integration with existing systems.
- Employed Git for version control, facilitating collaborative development and continuous integration with a team of 6,
- Deployed the application on Google Cloud, ensuring scalability and reliability.
- Adopted the Sprint framework, delivering a new feature every 2 weeks

LeftoverChef | Java, XML, Figma, YoloV5, TensorFlow, Firebase, Git, OpenAI API

Jan 2023 to Apr 2024

- Developed a full-stack Android application using Java and XML to reduce food wastage by offering recipe suggestions for leftover ingredients.
- Implemented advanced photo analysis capabilities and ingredient recognition using YoloV5 and TensorFlow, integrating
- OpenAI and Google Search APIs to generate recipes suggestions.
- Backend powered by Firebase, ensuring real-time data storage and retrieval. Collaborative development managed with Git for
- version control and teamwork.
- Awarded Honorable Mention and a \$1,000 prize at the Singtel Information Systems and Programming Merit Award for innovative
- use of technology in combating food waste

Generative AI Hackathon by TemasekXSUTD | Python, Streamlit, OpenAI API, Git

Mar 2024 to Mar 2024

- Collaborated in a team of 3 to design and develop an AI-powered chatbot during the GenAI Hackathon, hosted by Temasek and SUTD.
- Partnered with business professionals from Temasek to identify and address daily operational challenges through AI solutions.
- The chatbot was made to automate responses and assist in managing workload, contributing to a significant improvement in task handling and productivity for Temasek staff.

Design Thinking and Innovation Project (DaDome) | AutoCAD

Feb 2023 to May 2023

- Spearheaded a multidisciplinary team in a project that applied design thinking methodologies to enhance the lighting at SUTD,
- aiming to create a more vibrant and engaging atmosphere. Developed innovative lighting solutions that not only improved
- visibility but also contributed to the overall liveliness of the environment, showcasing practical application of design principles to
- real-world challenges.

CO-CURRICULAR ACTIVITIES

SUTD Korean Language Enrichment Club (KLEC) Member

Oct 2022 to Present

- Engaged selectively in the Korean Language Enrichment Club activities, focusing on cultural appreciation and language basics to broaden personal linguistic and cultural horizons.

SUTD Skating Interest Group Treasurer

Mar 2023 to July 2023

- Managed financial responsibilities as Treasurer for the SUTD Skating Interest Group, overseeing a budget to support the club's activities and equipment needs.

SKILLS

- Programming Languages: Python, JavaScript, HTML, CSS, Ruby, Java, C
- Database and Query Languages: SQL, MongoDB, Firebase
- Libraries and Frameworks: Pandas (Python), NumPy (Python), Rails (Ruby), ExpressJS (Node.js), ReactJS (JavaScript), Bootstrap (CSS), TailwindCSS (CSS), Streamlit (Python), XML
- Other Skills: AutoCAD, Google Cloud, Git