

TRAN HA THU

COMPUTER SCIENCE UNDERGRADUATE

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Hello there! I am a motivated and fast learner who believes in the value of hard work and perseverance. My unparalleled experiences in Junior College, University and the service industry have honed my natural leadership abilities and exceptional communication skills, positioning me as a vital member in any team I join. Possessing both soft and hard skills, I am a quick learner with a relentless drive to succeed, consistently demonstrating my potential to excel in all endeavors.

EXPERIENCE

Aug 2023 - Present

Teaching Assistant for Programming Methodology

National University of Singapore – School of Computing

- Taught Programming Methodology concepts to the students through self-prepared tutorial sessions
- Graded assignments and aided professors.

May 2023 – Aug 2023

Data Engineering Intern

Eastspring Investments – Data and AI

- Maintained production and raw tables for the company's database.
- Optimized and helped developed an Artificial Intelligence chatbot based on ChatGPT for the company's needs.

Dec 2021 - Apr 2022

Customer Experience Manager

Ministry of Health Singapore

- Managed and led a group of 20 agents on the call floor.
- Addressed questions and problems posed by members of the public.

Dec 2019 - Jan 2020

Artificial Intelligence Intern

A*STAR - SCEI

- Programmed a working robot arm capable of image recognition.
- Trained an image recognition AI model.

EDUCATION

Aug 2022 – Aug 2026

Bachelor of Computing – Computer Science, with Quant. Finance minor
GPA: 4.7 / 5.0 (First Class Honors)

National University of Singapore

- Maintained an excellent GPA amidst numerous commitments.
- Invited based on merit to work for CVWO, a website development initiative for charity organizations headed by Prof. Ben Leong.
- Invited based on merit to become a teaching assistant for CS1101S, CS2030S (Programming Methodology courses).
- Organizing, planning, and budgeting for the Freshman Social Camp 2023, a successful orientation camp involving over 650 students, as a member of the Finance department.
- Organizing, planning, and budgeting for the RAG 2023, an annual faculty performance, as a member of the Finance department.

Aug 2022 – Aug 2026

UTown College Program

TEMBUSU COLLEGE - National University of Singapore

- Organized events for over 500 students as Tembusu FLAG's Programs Executive, a cause aimed at fundraising for welfare organizations.
- Organized photography-related events for over 500 students as an Executive Committee member of the college's photography club.
- Photographed major college and U-Town events involving VIPs and Guests of Honor.

Jan 2016 – Dec 2021

A-Level Certificate, Junior College & Secondary School

Grade: 90/90 Rank Points

Temasek Junior College

- Took GCE A-Levels:
H2 Math, H2 Chemistry, H2 Physics, H1 Economics, H1 General Paper, H1 Project Work, H1 Chinese
- Executive member for the Infocomm Club for 2 years.

SKILLS

- | | |
|---|--------------------------------|
| • React, Fiber frameworks. | • Web Development |
| • Python, Java, JavaScript, HTML, CSS, Go | • Software Development |
| • SQL (MySQL, SQLite) | • Leadership and Communication |

PAST PROJECTS

Sep 2023

PERSONAL WEBSITE

- Used **React**, **HTML**, **CSS**, **JavaScript** to create a website that consolidates all of my work.
- Link to website: <https://oeggy03.github.io/>

Aug 2023 – Sep 2023

TASK-TRACKING CHATBOT (EGGBOT)

- Used **Java**, **JavaFX** while utilizing OOP to create the bot and **Git** for version control.
- Link to user guide and project description: <https://oeggy03.github.io/ip/>
- Link to Chatbot releases: <https://github.com/oeggy03/ip/releases/tag/A-Release>

May 2023 – Aug 2023

EQUIPMENT LOANING TELEGRAM BOT

- Used **Python**, **Google Sheets**, telegram API.
- Created a Telegram Bot to facilitate the loaning of camera equipment in Tembusu College.

Apr 2023

TELEGRAM BOT WITH IMAGE RECOGNITION CAPABILITIES (TELEAI)

- Used **Python**, **Tensorflow** and **OpenCV** to train the model, and the telegram API.
- The bot was trained based on the CIFAR10 dataset.
- Link to project: <https://oeggy03.github.io/TeleAI/>
- Link to Github repository: <https://github.com/oeggy03/TeleAI>

Feb 2023

BUDDY4GOOD WEBSITE FOR SGENABLE

- Used **React**, **HTML**, **CSS**, **JavaScript** for the frontend, **Go** for the backend and **MySQL** for the database.
- Created and used **REST APIs** to facilitate communication between the frontend and backend.
- Link: <https://devpost.com/software/buddy4good>

Dec 2022 - Jan 2023

FORUM WEBSITE FOR THE CVWO WINTER ASSIGNMENT

- Used **React**, **HTML**, **CSS**, **JavaScript** for the frontend, **Go** for the backend and **MySQL** for the database.
- Created and used **REST APIs** to facilitate communication between the frontend and backend.
- Link: <https://devpost.com/software/foroom>

Jul 2022

FOOD WASTAGE REDUCTION BOT

- Used **Python, SQLite**, telegram API and google maps API.
- Designed a telegram bot capable of handling food waste management efforts in under 24 hours.
- Link: <https://devpost.com/software/kalilinux>

Dec 2019 – Jan 2020

TRASH CLEARING ROBOT

- Used **Python, OpenCV** and image recognition technologies.
- Trained an AI model to recognize trash.
- Programmed a UR5 robot arm to pick up and discard trash.
- Link: <https://sites.google.com/view/tjc-wow-2020/home/astar-scei/tran-ha-thu>