

KUAH GENE QHEE
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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE – Undergraduate, Computer Science	Aug 2025 – Expected 2029
RAFFLES INSTITUTION	Jan 2017 – Dec 2022

EXPERIENCE

ThinkCode Singapore, Associate Trainer	Apr 2025 – Present
<ul style="list-style-type: none">Teaching programming and robotics to children between the ages of 8 to 16.	
SUTD What The Hack Hackathon – Team Trifecta	Dec 2024
Best Design award Winner: EduEgg Devpost	
<ul style="list-style-type: none">Developed a full-stack webpage(front and backend) for an ESP32 based AI-powered assistive learning tool designed to enhance classroom interaction for mute and/or deaf students.Designed the voting interface and processed real-time transmitted data from the device.	
BrainHack TIL-AI Advanced Track 2025	May 2025
Community Hackathon 2025	June 2025 – Present
Personal Projects	2023 – Present
<ul style="list-style-type: none">Triolingo: Built a full-stack application with a node backend and express router that allows users to effectively learn a language through practising vocabulary, pronunciation, writing, and reading through the integration of multiple APIs.Algorithm Visualiser: Developing an educational platform in React to visualize data structures and algorithms, inspired by VisuAlgo.Trading Bot: Built an algorithmic trading bot that backtests strategies using dataset from yahoo finance, trading on Alpaca paper market using LumiBot.	

CO-CURRICULAR ACTIVITIES

Vice-Chairman, Raffles Jazz Club	Jan 2021 – May 2022
Programmes Department, Peer Helpers Programme(PHP)	Feb 2021 – May 2022
Peer Support Leader, Raffles Institution	Jan 2019 – Aug 2020

SKILLS & INTERESTS

Full-Stack Development	
<ul style="list-style-type: none">ReactJS, React Native, Expo, NextJS, Tanstack/React Query, Redux, React Router, TailWind CSS, JavaScript, jQuery, Bootstrap, HTML, CSSNode.js, Postman, Express, EJS, APIs, Authentication, PostgreSQL, SQLite, Firebase	
Python	
<ul style="list-style-type: none">Pandas, Matplotlib, Seaborn, Numpy, FastAPI	
General Computing:	
<ul style="list-style-type: none">Vim/Neovim, Docker, VMs, Data Structures and Algorithms, Git, Embedded Systems	
Creative & Media Skills	
<ul style="list-style-type: none">Music production and mixing, video editing, guitar performance, and content creation. Proficient in DAWs and video editing software.Learning Blender. Studying Japanese.	
Volunteering	
<ul style="list-style-type: none">Weekly befriending and tutoring sessions, mentoring children from low-income/single parent-households at TOUCH Young Arrow(TYA), focusing on academic support and encouraging holistic development through moral-based games.	