

Kenneth Gao

+65 8884 4154 | kenneth.gwb@gmail.com | [linkedin.com/in/thisiskenf](https://www.linkedin.com/in/thisiskenf) | github.com/duckyfuz

EDUCATION

National University of Singapore <i>Bachelor of Engineering in Computer Engineering, E-Scholars Programme</i>	Singapore
Hwa Chong Institution <i>GCE A-Levels, 90RP with H3 Distinction</i>	Singapore

EXPERIENCE

Software Engineering Intern <i>NodeFlair</i> <ul style="list-style-type: none">Interning under the web-app team, working with Ruby on Rails and ReactCreated an internal UI library to ensure design consistency across web-app	Jan. 2024 – Present <i>Singapore</i>
Programming Lead <i>CloudHacks 2024</i> <ul style="list-style-type: none">Coordinating efforts to redesign and rebuild promotional website with Nextjs	Nov. 2023 – Present <i>Singapore</i>
Software Engineering / Machine Learning Intern <i>xDATA, Home Team Science and Technology Agency (HTX)</i> <ul style="list-style-type: none">Worked on Vertex, an in-house NLP tool serving 10+ government agenciesContributed to frontend redesign, enhancing visual appeal and improving UXRefactored codebase for cleaner implementation and reusable componentsConstructed knowledge graphs from unstructured text with GenAI to enhance retrieval augmented generation (RAG) and improve multi-hop QA performance	Nov. 2023 – Jan. 2024 <i>Singapore</i>
SSP Platoon Commander <i>16C4I Bn, Singapore Armed Forces</i> <ul style="list-style-type: none">Led a 20+ member platoon to maintain constant battalion operational readinessAutomated admin chores such as duty scheduling, leading to increased efficiency	Dec. 2022 – Nov. 2023 <i>Singapore</i>

PROJECTS

treehouse <i>React, AWS</i> <ul style="list-style-type: none">Developed a full-stack web application for sharing community activities
Budgety <i>React Native, Firebase</i> <ul style="list-style-type: none">Developed a full-stack native application for tracking expenses and viewing insights

AWARDS

HTX's HacX! <i>2nd Runner-up</i> <ul style="list-style-type: none">Developed an application that utilises VGG16 and YOLOv8 to accelerate the tool accounting process for contractors entering secure facilities	Nov. 2023
SCS's Splash Awards <i>1st Place</i> <ul style="list-style-type: none">Developed a full-stack native application featuring a gamified way to learn about Singapore's culture	Oct. 2023
SUTD's What the Hack <i>1st Place</i> <ul style="list-style-type: none">Developed an emotion-recognition application leveraging upon LLMs	Aug. 2023
CloudHacks <i>1st Place</i> <ul style="list-style-type: none">Developed an articles-to-podcast application for news consumption	Aug. 2023

TECHNICAL SKILLS

Languages: JavaScript, Python, Ruby, C/C++, SQL (Postgres), HTML/CSS
Frameworks: React, React Native, Node.js, Flask, Django
Developer Tools: Git, Docker, AWS, Microsoft Azure, Google Cloud Platform, Firebase
Libraries: pandas, NumPy, Matplotlib, TensorFlow, PyTorch, LangChain