

# DANIEL YONG ZHEN XUN

Entry-level Software Developer with experience building full-stack web features and Python projects. Strong in debugging and clear technical communication. Ready to contribute to reliable feature delivery and continuous learning.

## Work Experience

<b>Software Developer Intern</b>	Grab
<ul style="list-style-type: none"><li>Built Flask REST features and responsive UI.</li><li>Fixed defects through reproduction and validation.</li><li>Delivered sprint tasks via Git/PR workflows.</li></ul>	May 2027 - Oct 2027



<b>Part-time Instructor</b>	NK Robotics
<ul style="list-style-type: none"><li>Delivered robotics/coding lessons to &gt;30 mixed-ability students.</li><li>Guided step-by-step debugging.</li></ul>	Jan 2025 - Present

<b>Software Developer Intern</b>	Nullspace Robotics
<ul style="list-style-type: none"><li>Supported robotics sessions by guiding students through challenges, troubleshooting issues, and giving targeted feedback.</li></ul>	Dec 2024 - Present

## Education / Qualifications

<b>Diploma in Applied Artificial Intelligence &amp; Analytics (GPA 4.0)</b>	Nanyang Polytechnic
	2025 - 2028
<b>GCE O-Level Certificate (L1R5 12/10)</b>	Nan Hua High School
	2021 - 2024
<b>AI Fluency Framework &amp; Foundations</b>	Anthropic
	2025
<b>Certified Entry-Level Python Programmer</b>	Python Institute
	2025

## Contact Information

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[Personal Portfolio](#)

## Achievements

- AWS GenAI Tournament Winner 2026
- Huawei Tech4City Participant 2025
- IDE Robotics Participant 2025
- HacX Challenge Participant 2025
- WRO Secondary Participant 2022

## Skills & Expertise

- Full-Stack Development
- Web Technologies
- Python
- Flask
- C#
- HTML / CSS
- Javascript
- SQL
- Data Analysis Skills
- Computer Networking
- Game Development Tools

# Personal Projects

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## CareSwap — Full-Stack Web Platform

- Contributed to full-stack development for an intergenerational help & skill-exchange platform by implementing and refining features tied to core user flows.
- Built and integrated Flask-based web functionality and structured data handling, coordinating changes with teammates to keep UI consistent and features working end-to-end.
- Tested and iterated on features based on integration needs, demonstrating ownership in delivering working modules within a team.

## Algorithmic Automation Bots — Python

- Built automation scripts for game-like challenges (e.g., Wordle, Rhythm Plus, Minesweeper), focusing on decision logic, repeatability, and robustness.

## Games — Unity / Godot

- Developed small games (bullet-hell / platformers) by implementing player movement, game states, and gameplay loops.

## Python Utilities — Practice Builds

- Built small applications (tic-tac-toe, calculators, etc.) to strengthen clean logic and correctness.

# Interests

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- Coding
- Web Development
- App Development
- Cloud
- Game Development
- Robotics
- 3D Graphics/Design