

Oscar Cheng

Mail: oscar940327@gmail.com | GitHub: github.com/oscar940327 |

Personal Website: oscar940327.github.io/my-personal-website/



EDUCATION

National Changhua University of Education (NCUE) | Changhua, Taiwan

Bachelor of Science in Computer Science and Information Engineering
| Sep 2023 – Jun 2027

TECHNICAL SKILLS

Languages: Python, HTML/CSS, C++

AI & Data: Large Language Models (GPT-5.2)

Tools & Platforms: Git, GitHub, XAMPP, API Integration

PROJECT EXPERIENCE

AI Learning Path Generator | Python, LLMs (GPT-5.2), NetworkX, Streamlit | Feb 2026

- Integrated GPT-5.2 API and Pydantic structured output to autonomously decompose complex topics into granular learning nodes.
- Utilized NetworkX for Directed Acyclic Graph (DAG) validation to resolve circular dependencies, and Streamlit for interactive topology map visualization.
- Integrated YouTube Data API and vector search concepts to fetch and display relevant educational videos.

AI Financial Supply Chain Risk Knowledge Graph | Python, LLMs (GPT-4o/5.2), Streamlit | Feb 2026

- Utilized LLMs to extract entity-relation triples from real-time financial news for automated risk analysis.
- Deployed a Streamlit web application to visualize extracted data as interactive Knowledge Graphs with integrated market sentiment indicators.

Discord News Bot | Node.js, RESTful APIs | Jul 2025

- Built a Discord bot with scheduled cron jobs to fetch real-time data via NewsAPI, Alpha Vantage, and GitHub Trending API.
- Integrated AI models to summarize extensive English technical/financial news and translate content into Traditional Chinese.

E-commerce Website | PHP, JavaScript, MySQL, XAMPP | Jun 2025

- Developed a full-stack e-commerce platform encompassing user authentication and secure administrator panels.
- Managed local environment testing and database architecture utilizing XAMPP and MySQL.