

# Ng Zheng Jue

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## EDUCATION

### Xiamen University

Apr 2021 – Mar 2025

Bachelor of Engineering in Artificial Intelligence (Hons). CGPA: 3.87.

- First-Class Honors (Rank 1<sup>st</sup>).
- **Publication:** [Imitation learning in Sequential Crowd Counting using Deep Reinforcement Learning](#), STEER, 2024.

### Xiamen University

Apr 2020 – Mar 2021

Foundation in Science. CGPA: 3.54.

### SMJK Seg Hwa

Jan 2015 – Dec 2019

Science Stream. SPM: 8As, 3B.

## EXPERIENCE

### Xiamen University - Research Assistant

Sep 2022 – Mar 2025

- Conduct data preprocessing and analysis on raw EEG data collected from University Malaya (UM) using Python's MNE library and MATLAB.
- Resolve format inconsistencies between two EEG recording systems for machine learning model training.
- Develop a diffusion model-based epileptic spike detection classifier using Pytorch.
- **Outcome:** Remove the need of manual annotation and facilitate automated EEG source imaging.

### MoneyLion - Data Scientist Intern

Aug 2024 – Jan 2025

- Build a reliable & cost-efficient aspect-based LLM evaluation framework by minimizing the involvement of human bias and LLM bias in the evaluation process.
- Develop a Metaflow pipeline to streamline the evaluation process and automatically deliver results to Slack.
- **Outcome:** Accelerate the CI/CD pipeline for LLM application development, **achieving a 16x speed boost** by minimizing human evaluation.

## LEADERSHIP & ACTIVITIES

### Xiamen University – Coursework Projects

Apr 2021 – Mar 2025

- Supervised all team projects throughout the degree, consistently achieving distinction grades in every course.
- Data Science Related Projects: [Google Brain- Ventilator Pressure Prediction](#), [Airline Services Satisfaction Analysis](#), [American Express - Credit Default Prediction](#), [Real-time PCA-based face recognition](#).

### Xiamen University - Founder of AI Club

Dec 2023 – Sep 2024

- Conducted bi-weekly interactive hands-on workshops to educate community members on basic knowledge of AI.
- Lead two project teams to develop an AI-powered college chatbot and a journal discovery platform.
- Organized TechExpo to exhibit innovative student AI projects and boost the school's technological reputation.

### Xiamen University – XMUM Hackathon 2.0

Aug 2022

- Manage a four-member team to secure first prize for the topic "Light Pollution Management".
- Develop a Uizard prototype to monitor light pollution in a specific region and evaluate the effectiveness of implemented solutions through statistical analysis.

## SKILLS AND LANGUAGE

**Hard Skill:** Python, MySQL, Java, C, Chatbot Development, Data Analysis, Machine Learning, Cloud Computing.

**Soft Skill:** Leadership, Time Management, Communication, Teamwork.

**Language:** Mandarin, English, Malay, Hokkein.

## REFERENCES

### Jenna Yang

VP of Machine Learning in MoneyLion

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### Prof. Wang Han

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