

# YU-HSIANG LIN

New Taipei City, Taiwan

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## RESEARCH EXPERIENCE

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### Embedded Systems Laboratory

*Machine Learning Research Intern*

09 2022 – present

*National Chung Cheng University*

- Improving model size and accuracy for real-time dehazing.

## WORK EXPERIENCE

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### Office of Information Technology

*Backend Engineer Intern*

09 2020 – present

*National Chung Cheng University*

- Created and Maintained database for **100000+** views by PHP, JavaScript and MySQL.
- Fixed **5+** bugs on CCU website and servers to prevent information security breaches by PHP.
- Managed **7** servers for CCU website hosting.

### Mandarin Encyclopedia of Philosophy 📄

*Backend Engineer Intern*

09 2020 – present

*National Chung Cheng University*

- Maintained a **200000+** views website to share philosophy knowledge by PHP, JavaScript and MySQL.

## AWARDS

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### Competitive Programming Experience | Skills: Data Structure, Algorithms

- **ICPC 2022 Asia Taipei Regional Site Bronze Award**
  - \* Won a coding competition with **300+** participants, organized by NTUB.
- **NCPC 2022 Taiwan Region Honorable Mention**
  - \* Coding competition in Taiwan held by NSYSU and NTNU with **300+** participants.

## PROJECTS

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### mini nanoGPT 📄 | Pytorch, NLP, Self-Attention

- Implemented **mini nanoGPT** by using **multi-head attention**.

### FashionGAN 📄 | Tensorflow, CV, GAN

- Implemented **GAN** and trained on fashion mnist dataset to generate clothing by **Tensorflow**.

### Youth Unemployment Rate Trend Analysis Website 📄 | MySQL, Flask

- Constructed an API using **MySQL** and **Flask** to showcase youth unemployment trend.

### Music Day 📄 | MySQL, Flask

- A mandarin popular music recommending platform.
- Developed an app to match **10+** users with suitable songs to sing by Flask.
- Collaborated with 12 students.

## EDUCATION

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### National Chung Cheng University

*Bachelor of Science in Computer Science and Information Engineering - GPA - 4.12/4.3 Chiayi City, Taiwan*

09 2020 – 01 2024

## TECHNICAL SKILLS

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**Languages:** C/C++, Python, SQL, PHP, HTML, CSS, JAVA, JavaScript

**Developer Tools:** VS Code, Jupyter Notebook

**Technologies/Frameworks:** Basic Linux, Git/GitHub/Gitea, PyTorch, Tensorflow, Flask, jQuery