Yu-Hsiang Lin

New Taipei City, Taiwan

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RESEARCH EXPERIENCE

Embedded Systems Laboratory   **09 2022 – present**
Machine Learning Research Intern   *National Chung Cheng University*

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

WORK EXPERIENCE

Office of Information Technology   **09 2020 – present**
Backend Engineer Intern   *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 ↗   **09 2020 – present**
Backend Engineer Intern   *National Chung Cheng University*

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

AWARDS

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

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

National Chung Cheng University   **09 2020 – 01 2024**
Bachelor of Science in Computer Science and Information Engineering   *Chiayi City, Taiwan*

TECHNICAL SKILLS

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