TZU CHUN, HSU

New Taipei City, Taiwan

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EDUCATION

Zhejiang University — 09 2016 – 07 2020
Bachelor of Engineering in Computer Science and Technology — *Hangzhou, China*

- Last two years cumulative GPA: 3.30/4.00

National Yang Ming Chiao Tung University — 09 2022 – 06 2024 (Expected)
Master of Science in Computer Science and Engineering — *Hsinchu, Taiwan*

- First semester GPA: 4.15/4.30

PROJECTS

Chord learning and adversarial framework for symbolic music generation — 04 2018 – 05 2019
Hangzhou, China

- Proposed a chord learning framework for multi-track symbolic music generation based on VAE and GAN.
- Introduced WGAN-GP to solve mode collapse and vanishing gradient problem.

Voice Conversion Based on Generative Adversarial Networks — 03 2020 – 05 2020
Hangzhou, China

- Improved StarGAN-VC2 based on multi-speaker non-parallel corpus.
- Introduced WGAN-div, AdaIN layer, and neural vocoder, WaveGlow, for better results.

Synthetic Data Generation using Conditional Normalizing Flows — 03 2023 – 05 2023
Hsinchu, Taiwan

- Ability to replace original datasets and maintain same data distribution, and also highlight outliers to analyze.
- Built an B/S application to visualize datasets.

AWARDS

CCCC-Mobile Application Innovation Contest — 09 2018
First Prize — *Hangzhou, China*

The 4th "Internet+" Innovation and Entrepreneurship Competition — 09 2018
Gold Award — *Hangzhou, China*

College Students' Innovative Entrepreneurial Training Plan Program (SRTP) — 04 2018 – 05 2019
Excellent — *Hangzhou, China*

EXPERIENCE

The University of British Columbia Vancouver Summer Program — 07 2019 – 08 2019
Vancouver, Canada

- Included 2 courses, "Algorithms and the World Wide Web" and "Building Modern Web Applications".
- Collaborated with my teammates to complete our projects as team leader.

SKILLS

Languages	Python, Java, C, JavaScript
Technologies/Frameworks	PyTorch, Flask, Spring Boot, Vue.js, Git, SQL, MongoDB