







TSUNG-HSUAN HSIEH

 github.com/vincentthh35  vincentthh35.csie.org  vincentthh35@gmail.com

 [linkedin.com/in/vincentthh](https://www.linkedin.com/in/vincentthh)  (+886) 903-218-706  Taipei, Taiwan

EDUCATION

National Taiwan University, Taiwan

September 2018 - June 2022

Bachelor of Computer Science and Information Engineering

- Overall GPA 4.0+, Ranking Top 20%

TECHNICAL SKILLS

Languages/Frameworks: Python, C/C++, HTML, CSS, JavaScript, Django, React.JS, Node.JS, Bash Shell, PyTorch

Skillset: BackEnd, Machine Learning, Computer Vision, FrontEnd, Version Control (Git), Linux

PROJECTS

Face Recognition on Various Loss Functions

Built with PyTorch

- Use various loss functions on the same model structure and evaluate their performance respectively.
- Experiments on different optimization method (Annealing training).

Poem and Music Browser

Built with React.JS, Flask

- Recommend a Chinese pop song relevant to the given text input, e.g. poems, paragraphs.
- User can enjoy the recommended song and read the input paragraph with web interface.

Sport Team System

Built with React.JS, Node.JS

- A system that helps sport team administrators arrange regular training and keep track of players' attendance.
- Features: Login/Logout, Subscription (via GraphQL), Training Calendar, RWD, Light/Dark Theme Toggle, Conditional FrontEnd Routing, Administrator Privileges

Few-Shot Learning and Domain Adaptation

Built with PyTorch

- Few shot learning and cross domain learning.
- Mainly based on *Deep Subspace Network*, and did some modifications to see the impact on performance.

WORK EXPERIENCE

HTC, Taipei

June 2021 - Now

Software Engineer Intern, Website Team

- Maintain production websites that is mainly written in Django and React.JS.
- Develop automation testing tool which increases the speed of testing by 300%.
- Develop revision system for editors to recover previous version of contents.
- Develop URL scanning tool to help inspect whether a specific link appears in any webpage.

SCHOOL EXPERIENCE

Algorithm Design and Analysis Course

September 2021 - Jan 2022

Teaching Assistant

- 250+ students
- Hold TA hours and design homework problems.

Multimedia indexing, Retrieval, and Analysis Lab (MiRA), NTU

February 2021 - Now

Research Assistant

- Survey papers about implicit function and volume rendering.

EXTRA-CURRICULAR

- Minister of Artistic Design Department of CSIE Student Association (Sep 2019 - June 2020)
- Minister of Artistic Design Department of 2020 CSIE Freshman Camp