Mei-Ren Ke

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EDUCATION

2017.9 - 2021.6
B.S. in Computer Science & Engineering @ Yuan Ze University
- Dept. Representative, 2017-2018
- Graduate Representative, 2020-2021

2021.9 - PRESENT
M.S. in Computer Science & Information Engineering @ Taiwan Tech

LABORATORY EXPERIENCE

2019.02-2021.02
Visual Media Laboratory
- **Advisor:** I-Cheng Yeh
- **Contributions:** completed the College Student Co-Research Project sponsored by Taiwan's Ministry of Science and Technology, attended competitions
- Participated in the "Data Visualization Study Group", 2019.02-2019.10

2021.09-PRESENT
Fuzzy Information Systems Laboratory
- **Advisor:** Shyi-Ming Chen

CONFERENCE PAPER

2020.12

1st author

''Automatic Generation of Classical Chinese Poetry Based on Image and Color of Paintings''
Mei-Ren Ke, An-Ting Hsieh, I-Cheng Yeh

International Conference on Technologies and Applications of Artificial Intelligence (TAAI 2020)
- Our model generated poems via inputting the artworks such as the paintings
- **Keypoints:**
  - Compressed a 45-dimensions feature vector via one-hot encoding and inputted to support vector machine (SVM)
  - Trained support vector machine and conducted style prediction
- **Contributions:**
  - Trained on small scale dataset and conducted the user study
  - Transformed images in MS COCO2017 into synthetic images
  - Oral presentation in conference

SCOLARSHIP

2017.12 **Peking Univ. and Tsinghua Univ. Academic Visit**

2018.11 **Soochow Univ. Academic Visit**

ACADEMIC REPORT

2020.12

Graduation Project in the Computer Science and Engineering Dept. @ Yuan Ze University

Report: Automatic Generation of Classical Chinese Poetry Based on Image and Color of Paintings

2020.09-2021.02

College Student Co-Research Project Sponsored by Taiwan's Ministry of Science and Technology

Report: Automatic Generation of Classical Chinese Poetry Based on Image and Color of Paintings

(MOST109-2813-C-155-017-E)

HONOR

2019.06

Last 16, Data Innovative Competition

- Held by Taiwan Government and Taoyuan City Government
- Team name: How Fetching
- **Competition:** developed applications or websites with open data provided by the government
- **How Fetching:** crawled data provided by Central Weather Bureau, analyzed the relation between the weather and the skin situation,
- **Skill:** React Native

2020.12

Popularity Award & Jury Prize, Graduation Project Presentation

- Held by Computer Science and Engineering Dept., YZU

2021.04

HONORABLE MENTION, GIRLS IN CYBER SECURITY (GICS)

- Held by Taiwan's Ministry of Science and Technology
- **Team name:** Women Us（Women就是我們）
- **Contributions:** ideas developing, film editing, presentation

2021.06

Group Education Award

- Held by Yuan Ze University

ACTIVITIES

2018.05

Host

Group Dance Coordinator & Host @ Computer Science and Engineering Night

- Hosted activities of the night, which attracted over 200 participants

2018.1 / 2019.7

Instructor & Curriculum Designer

Ada Information Technology Volunteer Team

- Learned data analysis and programming languages like Python
- Promoted the importance of information education for children
- Designed training courses according to children's learning conditions
- Instructed 25 students in Caota Elementary School and received 95.15% of satisfaction

PROJECTS

2021

"CHACHA" Chatting Application Development

- **Class:** Agile Software Development
- **Contributions:** film editting, user interface design
- **Skills:** Android Studio, Flutter