PEI-YU LAN

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EDUCATION

MS in Special Education   **2020.03 – Expected Fall 2023**

National Taiwan Normal University (NTNU)

> Thesis Title: The Dynamic System of Resilience Building Process of Gifted Students' Recovery from Mental Disorders Based on Complex Theory
>
> Advisors: Pf. I-Tsun Chiang, Pf. Hsiao-Ping Yu

BA in Electrical Engineering   **2015.09 – 2019.08**

National Taiwan University (NTU)

- Undergrads Project - Affective Computing Based on Physiological Signals (EEG, ECG, GSR, etc.).

RESEARCH AND WORK EXPERIENCE

Content Customer Service Manager and Content Creator, Junyi Academy   **2020.09 – present**

Juinyi Academy is a non-profit organization, which provides all children with free, high-quality content and learning environment through technology and partnership in Taiwan.

- Collaborated with teachers and Taipei City Government to create math educational animations.
- Designed curriculum and assessment modules in the Science and Media Literacy Project. (sponsored by LINE Corp.)
- Reviewed questions and suggestions regarding the leaning contents reported by the users.

Internship, Summer Program for Students in Grades 5 – 12   **Expected 2022.07**

Gifted Education Research and Resource Institute, Purdue University College of Education

RA, Online IGP System for Reporting, Tracking, and Counseling of Artistic Talents   **2021.07 – 2022.06**

Teacher Education and Art Education Department of the MOE

- Analyzed questionnaire results using SPSS and wrote the research report.
- Collaborate and coordinate with the engineering teams, government sectors and school administrations.

RA, Online Platform for Advocacy of APE   **2019.06 – 2020.03**

Sports Department of the MOE

- Designed and managed the online APE platform.
- Created multimedia contents aiming at the advocacy of sport for people with disabilities.

TEACHING EXPERIENCE

Teaching Assistant

Special Topics in Affective Education and Guidance for Gifted Students (online course)	**2021.07 - 09**
Studies in Advocacy and Communication for People with Disabilities (online course)	**2021.07 - 09**
Creative Cornerstone Course Design for ICT and Engineering Education	**2018, 2019.03 - 07**
Switching Circuit and Logic Circuit Design in Flipped Classroom	**2016.03 – 07**

Volunteer and Tutoring

Systematic thinking using Arduino board at Daan Elementary school	**2021.09 – 10**
Playing with sensors on Arduino board **(link: colorful world)**	**2019.02 – 08**
AEISEC India – Rural Education on Environmental Issues	**2016.01 – 03**

RESEARCH INTERESTS

STEM education, Talents development, Social and emotional needs of gifted students, Twice-exceptional students

PUBLICATIONS AND CONFERENCES

- Lan, P. Y. (2022). *The Advance of Modern Intelligence Theory and the Trend in Gifted Education Under the Framework of Talent Development* [Oral presentation]. The 17th Asia-Pacific Conference on Giftedness, Taipei, Taiwan.
- Lan, P. Y. (2022). Learning Strategies for the Elementary School Twice-exceptional Students. In *Identify and Nurture Twice-exceptional Students* (pp. 97-110). Taichung, K-12 Education Administration, MOE.
- Lan, P. Y., Kuo, H. L., Chiang, I. C. (2019). *Multimedia and Online Community: The Building and Application of the Adapted Physical Education Digital Platform* [Oral presentation]. The 51st Annual Meeting and Academic Symposium of the Special Education Association of the Republic of China, Taipei, Taiwan.

AWARDS

- Government Fellowship for Studying Abroad, MOE (Taiwan).   **2022 - present**
- MOE Scholarship for Excellent Students to Overseas Internship Training, MOE (Taiwan).   **2022.07**

SKILLS

- Programming languages: Intermediate skill in Python, C++, Scratch; Basic skill in Html, CSS, JavaScript
- Demo board: Arduino UNO, Arduino Leonardo
- Others: SPSS, Adobe Premiere, Adobe Illustrator, Online Meetings, and Conference Platforms.

LANGUAGES

- Chinese: Native Speaker
- English: TOEFL iBT: 99 (R: 26; L: 28; S:22; W:23)