Yang-Hsin (Benson) Fan

Google scholar: Yang-Hsin Fan

benson8610124@gmail.com

(+1) 213-245-7584

2105 Comal St, Austin, Texas

RESEARCH INTERESTS

Motivation, Goal orientation, Learning strategy, Self-regulated learning, Educational technology, Science learning

EDUCATION

2024-present **Doctor of Philosophy** at The University of Texas at Austin (UT)

- Major: Educational Psychology

2021-2023 **Master of Computer Science** at National Taiwan Normal University (NTNU)

- Major: Information and Computer Education
- Overall GPA: 4.13/4.30
- Master's thesis: Identifying Taiwanese high school science learners' distance learning motivation profiles and their role in engagement and participation

2018-2021 **Bachelor of Information Science** at National Taiwan Normal University (NTNU)

- Major: Learning Sciences
- Overall GPA: 4.10/4.30; Dean's List for five semesters
- Overall ranking: 1st
- Bachelor's thesis: Learning about lunar phases: Exploring Taiwanese university students' conceptions of and approaches to learning by holographic projection

HONORS AND AWARDS

2024-2026 Government Scholarship to Study Abroad, Taiwan Ministry of Education

2024-2025 Graduate School Recruitment Fellowship, UT

2024 Best Paper Award, 19th Taiwan E-learning Forum (second author)

2021-2023 Graduate Student Merit Scholarship, NTNU (full tuition waiver, offered to a single master's student in the entire graduate school)

2021 Valedictorian Award, NTNU (highest GPA among graduating class of the department)

2020 Best Paper Award, 15th Taiwan E-learning Forum (first author)

2019-2020 Undergraduate Research Grant, 2019 and 2020, National Science and Technology Council

2019 Honors Student, NTNU (awarded for outstanding academic performance)

2018-2020 Dean's List for five semesters, NTNU

2018-2019 Elite Scholarship, 2018 and 2019, Ping-An Elite Education Foundation (awarded for outstanding academic research performance)

PUBLICATIONS

Journal Article

1. Chang, Y.-C., **Fan, Y.-H.**, & Lin, T.-J. (2024). Taiwanese university students' approaches to learning by generative artificial intelligence: A comparison between STEM and non-STEM majors. *Contemporary Journal of Science Education.* (In Chinese) (TSSCI, Q1)
2. **Fan, Y.-H.,** & Lin, T.-J. (2024). Learning about lunar phases: Exploring Taiwanese university students' conceptions of and approaches to learning by holographic projection. *Journal of Educational Computing Research*, 07356331241282897. (SSCI, Q1, IF: 4.0)
3. **Fan, Y.-H.**, & Lin, T.-J. (2023). Identifying university students' online academic help-seeking patterns and their role in Internet self-efficacy. *The Internet and Higher Education*, *56*, 100893. (SSCI, Q1, IF: 6.4)

Conference Papers

1. **Fan, Y.-H.**, & Chen, P. (2025, April). *Dynamic motivation regulation profiles: Stability and links with motivation and academic performance in sixth-grade students.* Paper presented at the 2025 annual meeting of American Educational Research Association (AERA 2025).
2. **Fan, Y.-H.**, & Lin, T.-J. (2025, March). *Preliminary investigation of Taiwanese undergraduates' approaches to learning lunar phases by holographic projection*. Paper presented at the 2025 annual meeting of National Association for Research in Science Teaching (NARST 2025).
3. **Fan, Y.-H.**, Rutten, L. D., & Chen, P. (2025, February). *Strategically Regulating Motivation Towards Success: How Different Profiles of Using Motivation Regulation Strategies Predict Motivation and Academic Achievement*. Poster presented at the 2025 Society for Personality and Social Psychology (SPSP 2025).
4. **Fan, Y.-H.**, & Lin, T.-J. (2024, June). *Unravelling Taiwanese Undergraduates' Conceptions of Learning by Holographic Projection.* Paper presented at the 15th Asian Conference on the Social Sciences (ACSS 2024).
5. Chang, Y.-C., **Fan, Y.-H.**, & Lin, T.-J. (2024, March). *Exploring Taiwanese university students' learning approaches in using generative artificial intelligence tools.* Paper presented at the 19th Taiwan E-learning Forum (TWELF 2024). **(*Best Paper Award)**
6. **Fan, Y.-H.**, & Lin, T.-J. (2023, July). *Exploring the role of goal orientations and self-efficacy in high school science learners' distance learning participation and engagement.* Paper presented at the 54th Australasian Science Education Research Association Annual Conference (ASERA 54).

7. Yeh, Y.-F., Chang, Y.-C., **Fan, Y.-H.**, Liao, T.-S., & Lin, T.-J. (2023, March). *Trends of robotic education research: An automatic content analysis.* Paper presented at the 18th Taiwan E-learning Forum (TWELF 2023).
8. **Fan, Y.-H.**, & Lin, T.-J. (2022, July). *Exploring the antecedents and consequences of phone snubbing behaviors in collaborative learning.* Paper presented at the 22nd IEEE International Conference on Advanced Learning Technologies (ICALT 2022).
9. **Fan, Y.-H.**, & Lin, T.-J. (2022, April). *Relationships between university students' phone snubbing behaviors and learning disengagement in collaborative learning.* Paper presented at the 17th Taiwan E-learning Forum (TWELF 2022).
10. **Fan, Y.-H.**, Lin, T.-J., Li, L.-Y., & Chang, Y.-J. (2021, July). *Development of a lunar-phase learning system based on holographic projection technology.* Paper presented at the 21st IEEE International Conference on Advanced Learning Technologies (ICALT 2021).
11. **Fan, Y.-H.**, Huang, C.-F., & Chen, Z.-H. (2020, November). *Using a situated speech-based holographic projection system to learn the analects of Confucius.* Paper presented at the 28th International Conference on Computers in Education (ICCE 2020).
12. **Fan, Y.-H.** & Lin, T.-J. (2020, September). *Identifying Taiwanese university students' problematic Internet use: the role of gender, Internet use time and Internet self-efficacy.* Paper presented at the 24th Global Chinese Conference on Computers in Education (GCCCE 2020).
13. **Fan, Y.-H.** & Lin, T.-J. (2020, March). *Identifying Taiwanese university students' online academic help-seeking patterns and their role in Internet self-efficacy.* Paper presented at the 15th Taiwan E-learning Forum (TWELF 2020). **(*Best Paper Award)**

ACADEMIC SERVICE

- Research Paper Reviewer, Acta Psychologica (SSCI journal)

SKILLS

- Software: IBM® SPSS® Statistics, IBM® SPSS® Amos, SmartPLS, Unity, Blender
- Programming languages: Python, C#, JavaScript, R
- Languages: Chinese (Mandarin), English