Ching-Chih Tsao

Research Assistant
Cornell University, NYC

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RESEARCH STATEMENT

My research interests focus on Human-AI Decision Making, with particular attention to Human-Centered AI and cognitive enhancement. In my previous research projects, I have focused on examining the influences of trust intentions and robot capability on human decision-making in the context of human-robot collaboration. By analyzing multi-dimensional data, I have been able to identify specific patterns in participants' decision-making strategies and identify factors that impact their trust in the robotic system.

EDUCATION

Aug. 2023 - May 2025 (Incoming)
M.S. in Information Systems with a Concentration in Connective Media
M.S. in Applied Information Science
Cornell University, USA & Technion – Israel Institute of Technology, Israel

Sep. 2020 - Jun. 2023
B.S. in Management Information Systems (GPA: 3.92/4.3)
National Chengchi University, Taiwan
Advisor: Dr. Shih-Yi Chien

EXPERIENCE

Dec. 2020 - Present
Human-Automation Interaction Lab, National Chengchi University, Taiwan
Undergraduate Research Assistant, *Advisor: Dr. Shih-Yi Chien*
EEG Team Lead *(Apr. 2021 - Present)*

Jul. 2022 - Aug. 2022
Innovation R&D Department, Sinyi Realty Inc., Taiwan
Data Analyst Summer Intern

PUBLICATION

Peer Reviewed Conference Papers

[C3] **The Influence of a Robot Recommender System on Impulse Buying Tendency**
Ching-Chih Tsao, Cheng-Yi Tang, Yu-Wen Chang, Yin-Hsuan Sung, Shih-Yi Chien, and Szu-Yin Lin (Mar. 2023)
Comp. ACM/IEEE International Conference on Human-Robot Interaction ***(HRI '23)****. 672-676. Stockholm.*

[C2] **Assessing the Decision-Making Process in Human-Robot Collaboration Using a Lego-like EEG Headset**
Ching-Chih Tsao, Hao-Hsiang Chuang, Tsu-Han Tsao, Cheng-Yi Tang, Yu-Wen Chang, Chih-Ling Chu, Chi-Chien Sung, Cheng-Lin Hsieh, Yuan-Pin Lin, and Shih-Yi Chien (Jan. 2023)
Proc. Hawaii International Conference on System Sciences ***(HICSS-56)****. 1529-1538. Hawaii.*

[C1] **A Machine Learning Approach to Model HRI Research Trends in 2010~2021**
Chan Hsu, Ching-Chih Tsao, Yu-Liang Weng, Cheng-Yi Tang, Yu-Wen Chang, Yihuang Kang, and Shih-Yi Chien (Mar. 2022)
Proc. ACM/IEEE International Conference on Human-Robot Interaction ***(HRI '22)****. 812-815. Online.*

HONORS AND AWARDS

Merit-based Scholarship, Cornell University (20,000 USD)	*2023 - 2025*
Research Scholarship, NSTC of Taiwan (equivalent to 7,000 USD)	*2021 - 2023*
Conference Travel Grants - HICSS-56, Maui, Hawaii, USA	*2022*
Academic Excellence Award, National Chengchi University (Ranked #1/80)	*2020*

SERVICE

Reviewer	CHI 2023, HRI 2023
Teaching Assistant	National Chengchi University 2022 (worked w/ Prof. Shih-Yi Chien) • Introduction to Computer Science, 150 students • Introduced git and front-end web development in class
Student Ambassador	UNESCO Hong Kong SDGs Ambassador 2018 (Golden Merits)

SKILLS

Programming Languages	Python, Java, JavaScript, MATLAB, R, Swift
Tools	EEGLAB, Figma
Languages	Mandarin (Native), English (Fluent, IELTS 7.5, Oct. 2022)