

## Biography

Julie is a second-year Ph.D. student in the Institute of Pioneer Semiconductor Innovation at the Industry Academia Innovation School, National Yang Ming Chiao Tung University (NYCU). She was awarded the "Elite New Graduate Scholarship." Her current research focuses on the development of metal oxide semiconductor gas sensors. She graduated from the Department of Photonics at NYCU, directly entered the Ph.D. program, and will soon pursue a dual doctoral degree in France. Her research was selected for poster presentation at the 2023 IEEE Sensors Conference.



Julie participated in the International Genetically Engineered Machine (iGEM) organized by the Massachusetts Institute of Technology (MIT), where her team won a Gold Medal. She led the wet lab group and received the "Best New Composite Parts" award. Additionally, she joined an international volunteer team in India as the public relations manager, responsible for promoting funding projects, and was awarded the "ASUS Service Excellence Award." The following year, she served as a teaching assistant and was recognized as an "Outstanding Service-Learning Teaching Assistant."

Furthermore, Julie has held various roles, including general affairs officer for the Photography Club, counselor for the WCS Science Camp, social media editor for Covid Story Taiwan, and assisted in organizing activities such as the Society of Taiwan Women in Science and Technology High School Girls' Practical Workshop. She also won a second prize in the International Chemistry Olympiad (ranking among the top 48 in Taiwan), received a superior rating in the National Student Competition of Music for marching band, and was awarded the "Outstanding Performance Mayor's Award" by Taipei City.