**Chen Liu**

[cliu132@ucmerced.edu](mailto:cliu132@ucmerced.edu)

**Education**

***2022 - 2023 University of California, Merced (UC Merced), California, USA***

Master of Cognitive & Information Science

***2017- 2021 National Tsing Hua University (NTHU), Hsinchu, Taiwan***

Bachelor of Education in Special Education

***2018 -2019*** ***Semester exchange, Tsinghua University in Beijing***

                           Major in Psychology

***2018 Summer*** ***UBC Vancouver Summer Program of Culture, Creativity, and Learning Technologies***

**Lab Experience**

***2022-Present Language, Learning, and Teaching Lab***

***PI: Dr. Zenaida Aguirre-Muñoz***

     Research focus: bilingualism, second language acquisition, STEM education

***2022-Present Language, Interaction, & Cognition Lab***

***PI: Dr. Rachel Ryskin***

Research focus: sentence predicting processing, computational linguistic

***2019 Research Assistant, Research Center for Education and Mind Science***

    Research focus: cognitive load, working memory span

**Publications & Manuscripts**

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| Aguirre-Muñoz, Z., Pando, M., & **Liu, C.** (2024). Enhancing Bilingual/ESL Teachers’ STEM Instruction with Targeted Content and Disciplinary Literacy Professional Development: A Study on Knowledge and Practice Outcomes. *Education Sciences*, *14*(7), 745.  **Liu, C**., Ryskin, R., Aguirre-Muñoz, Z. *(in preparation).* Effects of context and proficiency on processing difficulty during L2 reading |
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**Posters & Presentations**

**Liu, C.,** Ryskin, R., Aguirre-Muñoz, Z. (2023). [Effect of context and proficiency on processing difficulty during L2 reading](https://joyce9936.github.io./pdfs/camp_poster_0109.pdf). At CAlifornia Meeting on Psycholinguistics (CAMP[6]). Stanford, CA

Aguirre-Muñoz, Z., **Liu, C.**, Casper, R., L, Shan. (2025) Enhancing College Text Comprehension Through Brief Metalinguistic Training. At TESOL International Convention & Expo. (TESOL). Long Beach, CA

**Work Experience**

***2023-current UC Merced Cognitive & Information Science Department, California, USA***

Lab Manager/ Project Coordinator

Coordinated research projects on enhancing college text comprehension through brief metalinguistic training

Managed comprehensive lab administrative operations,

Supervised and mentored undergraduate Research Assistants

***2022******Yu-Tsai Bilingual Elementary School, New Taipei City, Taiwan***

School Counselor and 3rd&4th grade Science Teacher

Counseling students with special needs

Designed hybrid courses and activities for students in science

Participate in school activities, including Freshman Admissions and graduation

***2021 - 2022 Yonghe Elementary School, New Taipei City, Taiwan***

Intern Resource Room Teacher

Designed Social Emotional Learning (SEL) program for second-grade autistic students

Helped students with learning disabilities develop their individual learning strategies

***2021 National Experimental High School, Hsinchu, Taiwan***

Student Teacher, Gifted Education Classroom, Hsinchu Science Park Elementary Dept.

Designed STEM activities for students to explore their interests in different fields

Designed problem-based activities for students to develop problem-solving skills

Design courses for creativity and leadership skills

***2020*** ***Dongmen Elementary School, Hsinchu, Taiwan***

Student teacher, Special Education Classroom

Improved students’ gross motor and fine motor skills by giving functional motion training

Used storybooks to help students accumulate common vocabulary

**Volunteer Experience**

***2019*** ***National Taiwan University Hospital Hsinchu Branch***

Designed classes for early intervention children

Coordinated with physical therapists to help children improve the quality of their movements

Observed performance of developmentally delayed children in cognition, movements, and emotion

***2019******International Volunteer in Romania***

Communicated and cooperated with people from different countries and cultures

Hosted weekly English camps in different villages

**2018** ***Saint Joseph Social Welfare Foundation***

Designed camp activities for people with special needs

**Course Project**

***Modeling endangered languages: The effects of bilingualism***

<https://drive.google.com/file/d/1tMXlHno3pG90Urj_oqf_TEUxND58FlJT/view>

***Diversity and Representation at the University of California***

<https://joyce9936.github.io/project/UC-representation1207.html>

***How multimedia storybooks could impact reading comprehension ability and visual attention in sequential Mandarin-English bilinguals encompassing both L1 and L2***

<https://drive.google.com/file/d/1_HKw3PMvmBq3ZG5cZ0krTqQfs7CdUcIv/view>

**Skills**

* + - * R (intermediate)
      * Tobii Eye tracking Experimentation (intermediate)
      * Qualtrics/ Gorilla (intermediate)
      * MatLab (beginner)
      * EEG Experimentation (beginner)
      * Python (beginner)

**Online Certificates**

***Introduction to Psychology, Yale University***

* + - * Topics include perception, communication, learning, memory, decision-making, persuasion, emotions, and social behavior.

***Fundamental Neuroscience for Neuroimaging, John Hopkins University***

* Gained knowledge in various neuroimaging approaches and experimental design
* Learned advantages and disadvantages in structural and functional when doing research
* Understood recent research in neuroscience using different approaches

***Anatomy: Human Neuroanatomy, University of Michigan***

* Trained in neuroanatomy, sensory pathways, motor pathways, and the autonomic nervous system
* Learned about the structural anatomy of the human brain

***Human Resources Analytics: University of California, Irvine***

* Gained basic knowledge of the principle and importance of human resources
* Learned standard tools for analyzing human resources data