

Catherine Xinyu Liao

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EDUCATION

Master of Science in Data Analytics

Expected December 2024

McDaniels College

GPA: 3.97

Capstone Title: "Resilience in Times of Change: A Case Study on the Multifaceted Impact of Teacher Turnover and Protective Factors in Urban Schools"

Advisor: Prof. Thomas McGuire

Master of Arts in Teaching (Social Studies)

May 2021

Brown University

GPA: 4.0

Certified to teach Secondary Social Studies in Rhode Island with Multilingual Learners (MLL) endorsement

Capstone Title: "Make Learning Real, Relevant, and Relatable"

Advisor: Prof. John Palella

Bachelor of Arts in Education Studies (Human Development)

May 2020

Brown University

Major GPA: 3.83

RESEARCH INTEREST

Positive Identity Formation | Motivation and Learning Beliefs | Culturally-Responsive Teaching | Cross-Cultural Education Psychology | Parental Socialization | Social-Emotional Development

PUBLICATIONS

Jing, J. and **Liao, C.** "Not all Chinese Moms are Tiger Moms: European American and Chinese Immigrant Children's Learning Beliefs and Related Socialization at Home" (2019). *Summer Research Symposium*. Brown Digital Repository. Brown University Library. DOI:

<https://doi.org/10.26300/94ps-7q66>

RESEARCH EXPERIENCE

Undergraduate Research Assistant

Feb 2017 – May 2020

Department of Education Studies, Brown University

Advisor: Professor Jin Li

- Aimed to investigate the development of learning beliefs among 300 European American and Chinese immigrant children through both home and mainstream socialization and how their beliefs affect their actual learning and achievement
 - Transcribed, coded, and analyzed 150+ mother diaries (MD) and mother-child conversations (MCC) using Epidata

- Examined the cross-cultural differences between parental languages, parenting styles, children's learning beliefs, and learning behaviors among European American, low-income, and middle-class Chinese immigrant families
- Presented research findings to the research community and the general public at the Brown Summer Research Symposium in Summer 2019

Advisor: Professor Yoko Yamamoto

- Aimed to investigate parental engagement in children's learning among European American and Japanese American families
 - Transcribed parental interviews about children's learning behaviors both in school and extracurricular activities

TEACHING AND MENTORING EXPERIENCE

Teacher Mentor

Summer 2024

Brown Summer High School, Brown University MAT Program

- Mentored MAT candidates in unit and lesson plan development to create a student-centered social studies curriculum
- Led daily debrief sessions and provided ongoing feedback on culturally-responsive instructional practices based on classroom observations
- Conducted evaluations using the Brown-Adapted Danielson Teaching Rubric and participated in Triad Meetings with MAT candidates and Prof. John Palella

In-Building Substitute Teacher, Advisor, and MTSS Teacher

Sep 2021 – June 2024

Trinity Academy for the Performing Arts

- Taught 11th Grade Algebra and 12th Grade Pre-Calculus and adapted the standard-based curriculum based on students' needs during math teacher turnover
- Developed and taught substitute lessons daily for grades 7-12 in collaboration with academic and art teachers
- Collected, aggregated, and analyzed student data with the MTSS team to determine appropriate tiers of support for individual students and grade levels
- Tracked staff absence and arranged daily coverage schedules with the admin team

10th Grade Social Studies Student Teacher

Sep 2020 – May 2021

Trinity Academy for the Performing Arts and Brown University MAT Program

- Planned and taught units on the Red Scare, Nuclear Realities, and Youth Counterculture
- Designed project-based assessments to enhance students' media literacy skills as critical audiences of pop culture in both the Cold War era and today
- Facilitated homeroom activities to foster community-building and social-emotional learning during distance learning

Social Studies Teacher

Summer 2020

Brown Summer High School, Brown University MAT Program

- Developed and taught a 2-week course on U.S. history and pop culture in the 1920s

- Created project-based learning tasks accessible to students with varying levels of historical knowledge and provided daily feedback to support student growth

Social Studies Teaching Fellow

Summer 2018

Generation Teach

- Taught Social Studies and Intro to Chinese Mandarin to local 5-8th graders
- Redesigned the Social Studies curriculum to be asset-based and rooted in students' language and cultural backgrounds
- Organized school-wide events for over 400 students and families, including summer school closing ceremony and sports meeting

After-School Mandarin Tutor

Sep 2016 - May 2017

360 High School

- Taught bi-weekly Chinese Mandarin classes to local high schoolers
- Created lesson plans based on the needs of MLL students acquiring a third language

AWARDS

Karen T. Romer Undergraduate Teaching and Research Award

2019

Brown University

ACTIVITIES AND LEADERSHIP

Suicide Prevention Hotline Volunteer and Volunteer Coordinator

Feb 2017 – May 2020

The Samaritans of Rhode Island

- Provided emotional support and referrals to over 300 callers from surrounding areas
- Recruited and trained over 80 volunteers in active listening and crisis intervention skills

Departmental Undergraduate Group (DUG) Leader

Sep 2019 – May 2020

Department of Education Studies, Brown University

- Organized info sessions, panel talks, and workshops for prospective and current students
- Introduced departmental social hours to foster connections among faculties and students

TECHNICAL SKILLS

Programming: Python, R

Software: R Studio, Epidata, Microsoft Excel, Gretl, Adobe InDesign

LANGUAGES

Chinese Mandarin: Native

English: Fluent

Japanese: Proficient

French: Basic