Miaoya Zhong

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EDUCATION

Stanford University, Stanford, CA (online)   **Sept 2022 to Present**
Graduate Certificate: Introductory Programming, Foundations in Computer Science   Current GPA:**4.0/4.12**
Related courses: Programming Methodology, Programming Abstractions

Harvard University, Cambridge, MA   **Sept 2021 to May 2022**
Master of Education in Learning Design, Innovation, and Technology   GPA:**4.0/4.0**
Related courses: Designing K–12 Computer Science Learning Experiences, Digital Fabrication and Making in Education, Designing for Learning by Creating, Ed Tech Advanced Design Studio

University of Wisconsin-Madison, Madison, WI   **Sep 2017 to Dec 2020**
Bachelor of Science in Elementary Education-Early Childhood/ESL   GPA:**3.93/4.0**
Certificate: Education and Educational Services

Awards: Graduate with Distinction, Dean's list Fall 2017-Fall 2020, School of Edu Scholarship, HGSE Grant

SKILLS

- **Languages:** Mandarin (Native), English (Proficient), Cantonese (Intermediate), French (Fundamental)
- **Programing Language:** Python, C++, Processing, Scratch, MIT App Inventor, LEGO Mindstorms, LEGO WeDo2.0, GoGo Board, R
- **Technical Skill:** Laser Cutting (CorelDRAW), 3D printing (Onshape and Tinkercad), HTML&CSS, Roblox Studio, Unity, Adobe Photoshop, Microsoft Suite, Google Suite

TEACHING EXPERIENCE

Computer Science Teacher in Quarry Lane School   Aug 2023 to Current
Dublin, CA

- Teach **AP Computer Science Principles** (AP CSP) and **Middle School Computer Science**, foster computational thinking, interest in Computer Science, and a strong foundation in programming.
- Design and implement a **customized curriculum** for students in **Grades 7-12**, tailoring instruction to meet the diverse learning needs and academic goals of each student.
- Facilitate a **homeroom**, lead **extracurricular club,** and chaperone **debate and speech tournaments** as a judge, enhancing student engagement and promoting a collaborative learning community.

Teacher in Stanford Madera Grove Children's center   Jun 2022 to Jun 2023
Stanford, CA

- Utilized classroom materials to **implement STEAM activities** and promote an environment conducive to age-appropriate levels of development, interests, and special needs of the children.
- Assisted in **documentation** of student work such as portfolios, and wall displays.
- Maintained an open line of **communication** with parents, provide appropriate information, and share relevant feedback from parents with teacher team.

Robotic Programming Teacher in TCTM Kids IT Education Inc. (NASDAQ: TCTM)   Feb 2021 to Jul 2021
Shenzhen, China

- Taught the lessons of Lego construction and **robotic programming** with Scratch, Lego Mindstorms, Lego WeDo 2.0, and Python in **Grade Pre-8** (Total sales of incumbency: $100,000)
- Worked on developing the product exhibitions and activity design, **assisted in training new teachers.**

Practicum   Sep 2019 to Dec 2020
Hugel Elementary School, Kindergarten, WI; Milele Chikasa Anana Elementary School, TK, WI
Midvale Elementary School, Second grade, WI (online)

- Taught lessons in rotating centers including **reading, writing, math, science, art and crafting.** Led the daily morning activity for class. Designed unit of lesson plans with a focus on **literacy learning** and foregrounding **social justice.**
- Observed and provided individualized assistance for **children with disabilities** and **emergent bilingual students.**

VOLUNTEER EXPERIENCE

Volunteer in Mast STEM Academy   Jun 2019 to Jul 2019

Shenzhen, China

- Assisted **gifted-education** specialist to plan science courses with instructional and extracurricular activities
- Provided daily reports on the learning content and students' learning progress
- Facilitated children communication with foreign teacher in English

Volunteer in MSCR Safe Haven After-school program   Feb 2018 to May 2019

Emerson Elementary School, WI

- Read and discussed stories with children to **facilitate social emotional learning**
- Created math problems and **instructed math**
- Assisted teachers to help children with special needs

RESEARCH EXPERIENCE

Research Assistant in Department of Educational Psychology   January 2019 to Dec 2020

University of Wisconsin-Madison, WI

- Operated the experiment and collected data
- Transcribed the interviews of the experiment and encoded the response from students' feedback
- Analyzed data in the project of studying educational video game and Astronomy learning
- Wrote literature reviews on the usage of objects, symbols, and icons in mathematical teaching
- Assisted in experiment design on how to teach a mathematical theorem with different representations
- Helped in recruiting participants for experiments
- Presented in the Undergraduate Research Symposium