

SHENG-ZHOU TAN

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WORK EXPERIENCE

Science Teacher, Columbia Public Schools , Columbia, Missouri	August 2025 – Present
Science Teacher, Jefferson Parish Schools , New Orleans, Louisiana	August 2018 – July 2025
Biology, Earth Science, Environmental Science, Physics Instructor	2018 – Present
<ul style="list-style-type: none">Developed and iterated on hundreds of differentiated assessments, projects, and scoring rubrics to accurately measure student mastery across diverse learning styles.Identified patterns of misunderstanding and common error types across 100+ students per semester, enabling the development of targeted remediation.Spearheaded the integration of LLM AI tools into the curriculum development process to generate assessment question templates, create consistent assignment instructions, and brainstorm project ideas, improving planning efficiency.Applied iterative prompt development to refine AI-generated content, ensuring alignment with state standards and pedagogical goals.Systematically tracked and analyzed student assessment data in spreadsheets to monitor progress, identify regressions, and optimize instructional strategies.Managed the needs and expectations of stakeholders (parents, students, and administration) through needs analysis and communication.Improved student academic growth with 80% of students meeting their learning targets.	
AP Biology Instructor	2021 – 2023
<ul style="list-style-type: none">Developed and iterated intensive AP Biology curriculum over a 50% shortened delivery timeline while still aligning with College Board AP instructional criteria.	
Honors Biology Instructor	2019 – Present
<ul style="list-style-type: none">Developed and facilitated engaging, scenario-based simulations to promote higher-order thinking, demonstrating experience in creating complex, open-ended prompts that test for nuanced understanding.	
ESL Designated Science Instructor	2019 – 2024
<ul style="list-style-type: none">Developed and iterated science curriculum to ESL students by incorporating accessible Non-English Language support and multi-tiered English language support, such as translations, subtitles, visuals aids, and vocabulary acquisition plans.	
Mentor Teacher	2021 – 2024
<ul style="list-style-type: none">Trained 3 new teachers on curriculum standards and grading rubrics, ensuring consistency in assessment and delivery of content.	
Enrichment Instructor, UNO Upward Bound , New Orleans, Louisiana	June 2022 – June 2025
<ul style="list-style-type: none">Created, iterated, and facilitated Science and Mandarin Chinese enrichment courses.Delivered scenario-based simulations, explorations, and learning games for over 50 students.	
Science and Math Tutor, Think Tank Learning , San Francisco, California	2015 – 2018
<ul style="list-style-type: none">Made personalized learning and academic growth plans for over 30 clients.Improved the SAT and ACT scores of over 30 clients.	

EDUCATION

Xavier University of Louisiana (XULA), New Orleans, Louisiana
Masters of Arts in Teaching, Secondary Education (Biology), Class of 2020.

2018 – 2020

Texas A&M University (TAMU), College Station, Texas
Bachelor of Science, Biomedical Sciences, Class of 2014.

2010 – 2014

SKILLS

- Virtual Teaching and Learning
- G Suite (Doc, Sheet, and Slide decks)
- Microsoft Suite (Word, Excel, Powerpoint, and Outlook)
- Learning Management Software
- LLM AI tools for learning (MagicSchool, Deepseek, ChatGPT, Microsoft Copilot)
- Curriculum development
- Assessment and evaluation
- Differentiated instruction
- Data analysis
- Test case development
- Rubric design and Quality triage
- Public speaking and presentation

LANGUAGE AND PERSONAL INTERESTS

- Mandarin Chinese with fluency in speaking and proficiency in reading.
- Breakdancer of 19 years.
- Game Master for local table-top role playing games.