

# SHENG-ZHOU TAN

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## WORK EXPERIENCE

<b>Science Teacher, Columbia Public Schools</b> , Columbia, Missouri	August 2025 – Present
<b>Science Teacher, Jefferson Parish Schools</b> , New Orleans, Louisiana	August 2018 – July 2025
<b>Biology, Earth Science, Environmental Science, Physics Instructor</b>	2018 – Present
<ul style="list-style-type: none"><li>Designed and quality assured on hundreds of differentiated assessments, projects, and scoring rubrics to accurately measure student mastery across diverse learning styles.</li><li>Triaged and analyzed patterns of misunderstanding and common error types across 100+ students per semester, enabling the development of targeted remediation.</li><li>Spearheaded the integration of LLM AI tools (including Magic School) into the curriculum development, specialized in iterative prompt engineering to generate assessment templates and consistent instructions, improving planning efficiency.</li><li>Built and maintained tracked spreadsheets for student assessment data, creating effective systems to monitor progress, identify regressions, and optimize instructional strategies.</li><li>Managed the needs and expectations of stakeholders (parents, students, and administration) through needs analysis and communication.</li><li>Improved student academic growth with 80% of students meeting their learning targets.</li></ul>	
<b>AP Biology Instructor</b>	2021 – 2023
<ul style="list-style-type: none"><li>Developed and iterated intensive AP Biology curriculum over a 50% shortened delivery timeline while still aligning with College Board AP instructional criteria.</li></ul>	
<b>Honors Biology Instructor</b>	2019 – Present
<ul style="list-style-type: none"><li>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.</li></ul>	
<b>ESL Designated Science Instructor</b>	2019 – 2024
<ul style="list-style-type: none"><li>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.</li></ul>	
<b>Mentor Teacher</b>	2021 – 2024
<ul style="list-style-type: none"><li>Trained 3 new teachers on curriculum standards and grading rubrics, ensuring consistency in assessment and delivery of content.</li></ul>	
<b>Enrichment Instructor, UNO Upward Bound</b> , New Orleans, Louisiana	June 2022 – June 2025
<ul style="list-style-type: none"><li>Created, iterated, and facilitated Science and Mandarin Chinese enrichment courses.</li><li>Delivered scenario-based simulations, explorations, and learning games for over 50 students.</li></ul>	
<b>Science and Math Tutor, Think Tank Learning</b> , San Francisco, California	2015 – 2018
<ul style="list-style-type: none"><li>Made personalized learning and academic growth plans for over 30 clients.</li><li>Improved the SAT and ACT scores of over 30 clients.</li></ul>	

## 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.