

SHENG-ZHOU TAN

Columbia, MO • (713) 277-5658 • tanshengzhou25@gmail.com
www.linkedin.com/in/sheng-zhou-tan-58083886/

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

- Developed and delivered science curricula for multiple science subjects by curricula mapping, designing assessments, and adaptation of scope and sequence to state learning standards.
- Conducted needs assessment of students to evaluate impact of curriculum and instruction by analyzing assessment data of 100 students per semester, identifying target groups, and optimizing achievement plans.
- Improved student academic growth with 80% of students meeting their learning targets.
- Developed and implemented targeted student academic remediation plans by collaborating with colleagues from different departments and the school administration team.
- Managed the needs and expectations of stakeholders (parents, students, and administration) through needs analysis and communication.

AP Biology Instructor 2021 – 2023

- Developed and delivered intensive AP Biology curriculum over a 50% shortened delivery timeline while still aligning with College Board AP instructional criteria.
- Prioritized relevant biological science content by integrating scientist skills with content and streamlining supplementary materials over multiple standards.

Honors Biology Instructor 2019 – Present

- Developed and delivered differentiated content for honors students by elevating the rigor and depth of knowledge while increasing the complexity of the content.
- Administered real life scenarios and simulations to students to promote higher-order thinking, inquiry, and discussion as future scientists.

ESL Designated Science Instructor 2019 – 2024

- Developed and delivered 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.
- Collaborated with ESL Paraprofessionals to provide learning support for ESL students.

Mentor Teacher 2021 – 2024

- Trained and supported 3 new colleagues by observing content delivery, collaborating with ongoing plans, and providing meaningful feedback aimed towards improving classroom management and instruction.

Enrichment Instructor, UNO Upward Bound, New Orleans, Louisiana June 2022 – June 2025

- Created and facilitated Science and Mandarin Chinese enrichment courses during weekends and summer.
- Delivered scenario-based simulations, explorations, and games for over 50 students.

Science and Math Tutor, Think Tank Learning, San Francisco, California 2015 – 2018

- 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

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| <ul style="list-style-type: none">● Virtual Teaching and Learning● G Suite (Doc, Sheet, and Slide decks)● Microsoft Suite (Word, Excel, Powerpoint, and Outlook)● Learning Management Software● Interactive Content Software (Peardeck, Canva, Nearpod) | <ul style="list-style-type: none">● Curriculum development● Assessment and evaluation● Differentiated instruction● Public speaking and presentation● Needs analysis |
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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.