

# STANLEY ZHAO

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## EDUCATION

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### University of California, Riverside

Computer Science MS Thesis Track 2023

- Thesis: "Chat log analysis in an online CS1 course"
- This study involves the usage of scraping data from class chat logs in order to predict student performance and automate participation detection.

Computer Science with Business Applications BS 2021

## EMPLOYMENT

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### San Diego State University Department of Computer Science

*Adjunct Lecturer*

August 2023 - Present

- Lecturing computer architecture, artificial intelligence, and data structures/algorithms courses.
- Created AI programming labs in Python and JavaScript, with customized automated graders.
- As an undergraduate advisor, worked directly with students to plan class schedules and guide students to honors and Dean's List academic success.

### National University Department of Computer Science

*Part-time Faculty*

January 2025 - Present

- Wrote a curriculum and instructed a web programming course on HTML5, CSS, and Javascript. The class centers on web design/e-business with a focus on social networks.
- Implemented an autograder and automatic participation tracker for an online course.

### UCR Department of Computer Science & Engineering

*Technical Lead Researcher*

April 2021 - December 2022

- Creation and maintenance of Zoom Chat Analysis tool to identify early predictors of at-risk students. Tech lead for team of 4 researchers following an Agile SDLC pipeline.
- Maintenance and improvement of code plagiarism checker used by zyBooks online textbook.

### zyBooks

*Platform Development Intern*

March 2022 - August 2022

- Implemented image hosting from internal server to AWS, added new functionalities for e-textbook plagiarism checking using Ruby and Python.
- Updated and maintained the integrity of e-textbooks on subjects including Python 3, C++, C#, SQL, MATLAB, Java, and discrete math.
- Worked directly with zyBooks founder Dr. Frank Vahid on analytics and performance research.

## PROJECTS

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### jiaLMS Next.js, JavaScript, Tailwind- 2025

- Fullstack developemnt of a compact learning management system hosted on Supabase, built with React, Next.js, and Vercel
- Assignment creation and course learning system, based on improvements to Canvas/Blackboard/D2L. Able to use autograde and auto plagiarism-detection systems.

### Zoom Chat Analysis Python, JavaScript- 2023

- Analyzes Zoom chat logs and outputs student performance statistics.
- Utilized Python for core functionalities and embedded Javascript for user interaction.
- Built all functionality and created a web browser interface used by 20+ different classes across 5 universities and colleges.

## PUBLICATIONS

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Vahid, F., Zhao, S. and Allen, J., 2022, August. Automated Zoom Chat Analysis Including Chat-Based Polls for an Online Introductory Programming Course. In 2022 ASEE Annual Conference & Exposition. Best of CoED Award

Vahid, F., Zhao, S. and Gordon, C., 2023, March. Ultra-Lightweight Early Prediction of At-Risk Students in CS1. In 2023 ACM SIGCSE Technical Symposium.

## SKILLS

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PROGRAMMING:

JavaScript, Python3, HTML/CSS, Kotlin, SQL, C++, C

TECHNOLOGIES/Frameworks:

Git, Oracle, Next.js, MongoDB, AWS, .NET, React, Supabase

LANGUAGES:

English, Mandarin Chinese (Fluent Speaking)