

Tianyi Zhang

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EDUCATION

Westlake University

Bachelor degree in Physics.

July 2027

GPA:3.483/4.3

Relevant Coursework: Inquiries of Heaven.

Back-of-the-Envelope Physics.

Classical Mechanics.

Electrodynamics.

Quantum Mechanics.

Thermodynamics and Statistical Mechanics.

Introduction to Condensed Matter Physics.

Calculus and Mathematical Physics Method.

General Physics and College Physics Lab.

RESEARCH EXPERIENCE

Scientific Research Training

Hangzhou, Zhejiang

Research Intern

January 2024 – July 2025

- Conducted some research and analysis on mechanics and thermodynamics, enhancing comprehension of physics.
- Specializing in the interdisciplinary field of “Physics for AI”, with studied experience in neural networks, diffusion models, and other AI architectures, leveraging principles from physics for deeper interpretation.
- Authored several interesting articles on these topics, receiving mentorship recognition.

LEADERSHIP & INVOLVEMENT

Undergraduate Physics Seminar

Hangzhou, Zhejiang

Seminar Member

March 2024 – March 2025

- Studied some basic knowledge of fluid mechanics and optics together and broadened the physical horizon of the individual.
- Proactively engaged in discussions and brainstorming sessions, fortifying the ability to clarify and understand concepts.

Astronomy Knowledge Competition in Zhejiang Province

Hangzhou, Zhejiang

Competitor

November 2021

- Demonstrated a solid foundation of astronomy knowledge through the second prize.

College Student Physics (Theory) Competition in Zhejiang Province

Hangzhou, Zhejiang

Competitor

December 2023

- Demonstrated a solid foundation of physics theory through the first prize.

College Student Mathematics Competition

Hangzhou, Zhejiang

Non-math Major Participant

November 2023, November 2024

- Demonstrated the proficiency in mathematics through the third prize.

SKILLS

Software: Microsoft Office, Latex, C++, Python and MATLAB.

Language: Conversational English.

Laboratory: PASCO Capstone.

Interests: Astronomy, Reading, Chess, Electronic Piano, Basketball, Badminton.