

1 Personal Information

Name : Li Zhihong
Current Residence : Shaoyang, Hunan, China
Date of Birth : September 15, 1998 | Age: 26
Highest Education : Bachelor's Degree
Graduated from : Hunan University of Finance and Economics

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2 Career Objective / Personal Statement

I am a passionate student with a solid foundation in mathematics, physics, artificial intelligence, and machine learning. Through self-study, I have gained extensive knowledge in quantum mechanics, modern physics, and mathematics, and developed programming and machine learning skills.

I aim to combine these skills to solve real-world problems and contribute to OpenAI's innovative projects. I am drawn to OpenAI because of its potential to create profound global impact through AI technology.

3 Education Background

Hunan University of Finance and Economics

Bachelor's Degree in International Economics and Trade | Graduation Date: July 2022

Key Courses:

- Macroeconomics, Microeconomics, International Economics, Industrial Economics, Econometrics, World Economy, Probability Theory, International Finance.
- Future studies: Focus on Physics and AI-related courses.

Self-Learned Courses (independent study):

- **Mathematics:** Mathematical Analysis, Complex Analysis, Real Analysis, Advanced Linear Algebra, Point-Set Topology, Abstract Algebra, Fourier Analysis (Intro), Partial Differential Equations (currently studying).
 - **Physics:** Quantum Mechanics, Electromagnetism, Mechanics, Optics, Thermodynamics, Special Relativity, Particle Physics, Condensed Matter Physics.
 - **AI & Programming:** Machine Learning (currently studying).
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4 Work Experience / Internships

Freelance Work (Since graduation)

- Focused on applying artificial intelligence in content creation, writing, investment, video editing, and translation.
- Gained experience in integrating AI technology with creative and professional work.

Internship Experience

- Content Creator (internet industry): Awarded "Excellent Creator"(Chinese).
 - Participated in academic exchange programs and student associations, enhancing communication and organizational skills.
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5 Project Experience

Physics and Mathematics Simulation & Visualization

- Developed simulations for thermodynamics, quantum mechanics, classical mechanics, and electromagnetism using Python.
- Visualized numerical results to aid in understanding complex physical concepts.
- **Personal Website:** <https://quanqlee.github.io/LeeZH>

Some Small Projects:

- **Wave Simulation:** [GitHub](#)
- **Function Graph Plotter:** [GitHub](#)

6 Skills

- **Programming Languages:** Python, C++ (basic knowledge), Plans to further study MATLAB & Java.
 - **Tools & Technologies:** Git, GitHub, AI development frameworks.
 - **Mathematics:** Strong foundation in advanced mathematics (self-taught).
 - **Physics:** University Physics.
 - **Computer Skills:** Proficient in computer applications and systems.
 - **English(foreign language):** Fluent in speaking, reading, writing, and listening.
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7 Hobbies and Interests

- **Artificial Intelligence:** Since I was first introduced to AI, I have developed a deep interest in this field and have been continuously learning relevant knowledge. I believe AI will have a profound impact in the future, creating significant social and economic value.
- **Quantum Physics:** I have been self-studying physics, particularly quantum mechanics. I believe the combination of quantum physics and AI will usher in a new technological era, bringing about revolutionary breakthroughs.
- **Programming and Technology:** Programming is at the core of modern technology. It not only drives technological progress but also provides strong support for innovation across various fields, enabling the exploration of new technological applications.
- **Scientific Research:** I believe AI will play an indispensable role in future scientific research, accelerating scientific discoveries and helping us gain a deeper understanding of the natural world.
- **Simulation & Real-World Problem Solving:** I believe AI has the potential to simulate and optimize complex systems in the real world, offering new possibilities for solving real-world challenges.
- **Artistic Expression:** AI has made breakthroughs not only in technology but also in the realm of art. I am particularly interested in the innovative

applications of AI in artistic expression, especially in visual arts and music creation.

- **Interdisciplinary Exploration:** I firmly believe that AI will deeply understand and drive the development of multiple disciplines, fostering the integration and innovation of various fields.

Finally, I am confident that in the future, AI will shine in various industries, extending far beyond my personal interests.