

ZHOU Changhui

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Education Experience

Ningbo Xiaoshi High School International Center, International Baccalaureate® (IB)
Diploma Programme

Sept 2023 - June 2026

- **Predicted Grade:** Unknown/45
- **Courses:** Chinese A Lit SL, English B HL, Environmental System and Societies SL, Chemistry SL, Physics HL, Mathematics AA HL.
- **Subject Awards:**

Subjects	Chin.	Eng.	ESS	Phy.	Chem.	Math
Semester I, G 10	SD		SD	SD	SD	SD
Semester II, G 10		SD	/	SD	SD	SD
Semester I, G 11		SD		SD	SD	SD

SD: SD refers to the Scholartisc Distinction Award (top 5% of the grade).

- **Other Awards:** Li Zutong Scholarship, Outstanding Student, Distinction in IB Student Union, Star of the Class, Nomination in Star of Xiaoshi.

Standardized Tests

SAT, College Board

March 9, 2024

Total Score: **1560**/1600.

Reading and writing: **760**/800, Math: **800**/800.

Advanced Placement (AP), College Board

May, 2024

Computer Science A: **5**/5.

Calculus BC: **5**/5.

TOEFL iBT, Education Testing Service

October 24, 2024

Total Score: **107**/120.

Reading, Listening, Speaking, Writing: 30/30, 30/30, 21/30, 26/30.

Academic Awards

Computing / Informatics

- Canadian Computing Competition (CCC) Global Top 1%.
- USA Computing Olympiad (USACO) Platinum Division.

Mathematics

- American Mathematics Competition (AMC) Distinction
- American Invitational Mathematics Examination (AIME) 8/15
- Berkeley Math Tournament (BMT) High Distinction (Gold) + Distinction (Silver)
- UK Maths Trust - Senior Maths Challenge (UKMT - SMC) Global Gold
- Australian Mathematics Competition First Prize
- High School Mathematical Contest in Modeling (HiMCM) Successful Participant

Other Experience (Activities & Internships)

Teaching Assistant Local after-school care program.

August 2023

- Provide students with tiny science lectures and homework assistance.
- Organize game sessions.

Member of Smiling club.

September 2023-June 2024

- Provide children with orofacial cleft pronunciation adjusting service.
- Promote knowledge about orofacial cleft.

Participant North Carolina Math Camp

July 2024

- Learn about number theory and topology.
- Write an essay on RSA encryption.

Co-founder of Computer Science Club.

September 2024

- Share knowledge and skills about different areas related to computer.
- Build programs for another club and an education institution.

Teaching Assistant Local language training centers.

February 2025

- Provide students with tiny science lectures and homework assistance.
- Build program for vocabulary tests.

Skills

Language English (Fluent), Chinese (Native Speaker).

Programming Language C++, Python, Java

Other Skills \LaTeX , Premiere Pro

Publications

AI-empowered Search Drone:

October 2024

Advanced AI-based Tiny Object Search Drone for Broad Areas

C Zhou, T Yu

[10.54254/2755-2721/95/20241767](https://arxiv.org/abs/10.54254/2755-2721/95/20241767) 