

Weizhi Du

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EDUCATION

Washington University in St. Louis

GPA: 3.95/4.00

B.S. Computer Science

December 2026

- **Key Courses:** Intro Machine Learning, Object-Oriented Software Dev, Rapid Prototyping Web Dev
- **Honors & Awards:**
 - Howard Nemerov Scholarship, 2023-2027 (award for 10 most outstanding writers per year)
 - Dean's List, Fall 2023

The Athenian School

GPA: 4.50/4.00

High School Diploma

June 2023

- S.-T. Yau High School Science Awards, 2022 (Global Finalist & Semifinal 1st Prize)
- Mathematical Contest in Modeling (MCM), Honorable Mention, 2021
- Physics Unlimited Premier Competition, Honorable Mention, 2023 (11th place in North America)
- Student Speaker of the Convocation, 2022-23

SKILLS

Python, Java, C/C++, MATLAB, R, NumPy, Pandas, Matplotlib, TensorFlow, Git, LaTeX

EXPERIENCE

Washington University Computer Science & Engineering

January 2024 – Present

Teaching Assistant – CSE 247/502N: Data Structures and Algorithms

St. Louis, MO

- Lectured data structure and algorithm topics to 85 students in subsections.
- Graded 400+ assignment submissions; proctored and graded 2 midterm exams for a class of 350+ students.
- Hosted office hours (4 hours/week) and explained course material on Piazza forum (ranked Top 3 contributor).

Cornell Engineering

June 2021 – December 2022

Research Assistant – [Image Super-Resolution](#)

Ithaca, NY

- Developed Transformer and Generative Adversarial Networks (T-GAN) based super-resolution reconstruction networks to restore low-resolution medical images acquired with minimal radiation dose.
- Experimented on MRI and CT images of knees and bellies and discovered that T-GAN achieved optimal performance compared with traditional models (authored paper published in Tsinghua Science and Technology).

Shanxi University

January 2020 – January 2021

High School Researcher – [Coalition Control Model](#)

Shanxi, China

- Programmed a Coalition Control Model in MATLAB and tested its validity on a realistic industrial fishing model.
- Authored a paper demonstrating that CCM could dynamically distribute limited resources in complex scenarios.
- Presented the result to Yau Awards and won global finalist & Semifinal first prize (1% selection rate).

LEADERSHIP & SERVICE

The Compass Group (Startup)

February 2024 – Present

Founder, Developer

St. Louis, MO

- Founded the student-run business, managed a team of 5, and developed a mobile campus event app.
- Partnered officially with 2 Washington University departments and maintained 200+ active users.
- Pitched at Olin's Big IdeaBounce and received 8th place out of all undergraduate participants.

Dino Coding Group

November 2021 – Present

Founder, Programming Teacher

Shanxi, China

- Spearheaded the non-profit to promote programming education in rural areas in Shanxi Province.
- Taught Scratch and Python to 143 students for 100+ hours in partnership with overseas researchers.
- Presented at Shanxi Juvenile Education and Harvard ScratchEd conferences on programming education.

Washington University Office of International Student Engagement

April 2024 – Present

Orientation Leader, Student Mentor

Danville, CA

- Advised 200+ incoming first-year and transfer international students as an active leader with the OISE faculty.
- Designed bonding events and facilitated meetings on academics, community engagement, and inclusion awareness.