Weizhi Du

duwz730@gmail.com | linkedin.com/in/duw | weizhi-du.github.io

EDUCATION

Washington University in St. Louis   GPA: 3.91/4.00

B.S. Computer Science, Financial Engineering   *August 2023 – May 2026*

- Key Courses: Machine Learning, Software Development, Web Development, Probability and Statistics
- Howard Nemerov Scholarship | Award for 10 most outstanding writers | 2023-2027
- Dean's List | All semesters at Washington University | 2023-2024
- S.-T. Yau Awards in Computer Science | Global Finalist & Semifinal 1st Prize | 2022
- Mathematical Contest in Modeling (MCM) | Honorable Mention | 2021
- Physics Unlimited Premier Competition | Honorable Mention & 11th place in North America | 2023
- Speaker of the Convocation | The Athenian School (Danville, CA) | 2022-23

SKILLS

Languages: Python, Java, C/C++, MATLAB, R, JavaScript, HTML/CSS
Tools & Frameworks: NumPy, Pandas, Matplotlib, PyTorch, TensorFlow, Docker, Git, LaTeX

EXPERIENCE

Washington University Computer Science & Engineering   January 2024 – Present

Teaching Assistant – CSE 247/502N: Data Structures and Algorithms   *St. Louis, MO*

- Taught data structure and algorithm topics to 85 students in weekly subsections and recitations.
- Graded 400+ assignment submissions; proctored and graded 2 midterm exams for a class of 350+ students.
- Conducted 4 hours/week of office hours and awarded for being a Top 3 contributor out of 90 TAs.

Baixin Technology   June 2024 – August 2024

AI/ML Engineer Intern   *Shanxi, China*

- Created an LLM-powered web crawler, successfully gathering and filtering over 5,000 product reviews.
- Fine-tuned large language models for a law firm and improved 10% accuracy in legal document analysis.

Cornell Engineering   June 2022 – January 2023

Research Assistant – Image Super-Resolution   *Ithaca, NY*

- Developed T-GAN networks to restore blurred MRI and CT images, achieving 95% structural similarity.
- Experimented on T-GAN's superior detail reconstruction on medical images with fewer artifacts than EDSR.
- Demonstrated T-GAN's up to 7% improvement with a paper published in Tsinghua Science and Technology.

Shanxi University   August 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.

LEADERSHIP & SERVICE

The Campass Group (Startup)   February 2024 – Present

Founder, Developer   *St. Louis, MO*

- Founded the student-run business and developed a mobile app that recommends campus events to users.
- 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   January 2022 – 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 Diversity & Inclusion   April 2024 – September 2024

Student Mentor, Orientation Leader   *St. Louis, MO*

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