

Caohuizi (Zoe) Zhang

28 Black Birch Ln, Scarsdale, NY 10583 | P: (347) 387 - 0641 | zhangz3@carleton.edu |

EDUCATION

Carleton College

Northfield, MN
Sept 2025 - Present

- GRE: 340/340 Writing 5.5
- GPA: 3.07
- Intended Major : Mathematics / Computer Science Minor: Statistical and Data Science/Philosophy
- 2025-2026 - **Fall Term:** Introduction to Multivariable Calculus / Mathematics of Computer Science / A&I: Science, Faith, Rationality
- 2025-2026 - **Winter Term:** Data Structure/Linear Algebra/Introduction to Statistics
- 2025-2026 - **Spring Term:** Programming Language/Mathematics Structure/Introduction to Data Science

Williston Northampton School

Easthampton, MA
Sept 2021 - June 2025

- Cumulative GPA: 92.7/100
- ACT: 36/36
- AP/Advanced Courses: 11th: AP Physics 1 - 5 /AP Statistics - 5/AP Calculus AB - 5/Honors Williston Scholar: Math/AP Computer Science A - 4
- 12th: Honors Discrete Math/AP Physics C/AP US Government and Politics/Forensic Science

RESEARCH EXPERIENCE

Carleton College — Summer Research Student Partner, Mathematics and Statistics, “Mapping Cultural Institutions in the United States”

2026 – July 2026

June

- Selected for a full-time summer research position focused on mapping cultural institutions in the United States through statistical and data science methods.
- Conducted data cleaning, organization, and analysis to support research on cultural institutions and geographic patterns.
- Work collaboratively with faculty and student researchers using quantitative methods, data visualization, and computational analysis.

Columbia University / PROSPERO — Research Team Member Systematic Review and Meta-Analysis on Religiosity, Spirituality, and Caregiving Remote

2026 – Present

- Named as a project team member on a PROSPERO-registered systematic review and meta-analysis examining the role of religiosity and spirituality in caregiver burden and resilience.
- Contributed to literature review, evidence synthesis, and manuscript development for interdisciplinary research on caregiving, resilience, spiritual well-being, and religious coping.
- Listed as a co-author on a manuscript submitted to the Journal for the Scientific Study of Religion.

Harvard University - Economics Littauer Center - Data Science Researcher

Sept 2021 – March 2024

- First-authorship of **Education Psychology and Public Media**, “ **Learning from Competitors: Evidence from the Movie Industry**”, Published in EWA Publishing [Link](#)/ResearchGate [Link](#)/Discovery [Link](#) :
- Published at the 5th International Conference on Educational Innovation and Philosophical Inquiries (ICEIPI 2024)

AWARDS

USACO (U.S.A Computing Olympiad), Platinum Award

May 2024

- The most competitive and prestigious level before the International Olympiad in Informatics (IOI)

AAPT Physics Bowl (American Association of Physics Teachers)

March 2024

- National Silver Award; Qualified for PhysicsBowl China Camp

American Mathematics Competition (AMC/AIME)

2023- 2024

- Qualified for AIME (American Invitational Mathematics Examination)
- Scored in the top 25% nationally

Regeneron Science Research (ISEF)

March 2024

- Massachusetts State Level Award Recipient

AP Scholar with Honors

May 2024

- Recognizes exemplary college-level achievement

NEPSAC Squash

January 2025

- Led the varsity squash team to a **second-place finish in the NEPSAC championships**, marking the school's **first team award in six years**.

INTERNSHIP

Qingmao Intelligence

July 2024 – August 2024

- Led 4-person team in helping to build, train, and implement a new AI chatbot model with text-to-voice technology using PyTorch and TensorFlow

The Brickyard Hotel

December 2024 – present

- Manage the hotel's social media platforms, created multilingual digital content, and analyzed audience engagement trends. Gained cross-cultural communication experience while supporting marketing strategy and brand identity in an international hospitality setting.

EXTRACURRICULAR

Carleton College Organic Farm

Oct 2025 – Dec 2025

Fall Student Farmer

- Assisted with sustainable crop production, including planting, harvesting, soil care, and seasonal field maintenance. Managed weekly produce distribution and supported campus food sustainability initiatives.
- Collaborated with a student team to maintain farm operation in varying weather conditions while ensuring safety and efficiency.

Dacie Moses House - Carleton College

Oct 2025 – Present

Student Assistant

- Collaborated with a student team to maintain farm operations in varying weather conditions while ensuring safety and efficiency.
- Provided a welcoming environment for students and visitors by assisting with events, organizing shared spaces, and maintaining house resources.
- coordinated with staff and student volunteers to ensure smooth functioning of house activities and traditions.

Williston Northampton School Alumni Magazine

January 2024

Featured Interviewee

- Honored in alumni magazine profile for beautifying school campus with red banners decorated with Fu couplets and calligraphy during Spring Festival

ALT Alliance, a 501(c)(3) nonprofit, Artlawtech.org

September 2023 – Present

Youth Community Lead

- Engage youth in cross-cultural art healing workshops, help heritage landscapes apply for UN visitor centers, and support attorneys with legal webinars

Independent Spring Festival Project

November 2023 – January 2024

Project Leader

- Created and exhibited 3 sets of 25 red scrolls featuring handwritten calligraphy across Williston Northampton's campus to celebrate Chinese New Year

University of Hong Kong Summer Institute

June 2025 - July 2025

Student

- Honored to be accepted into this prestigious program, where I anticipate experiencing university-level academics and further exploring my interests in a more focused, challenging environment.

Columbia University Pre-College Program

July 2023

Student

- Completed 2-week course on data analysis, machine learning, AI, lists/arrays, web development, and data visualization using Python; earned 'A' grade

Rural Education Access Project

December 2024 – Present

Founder & Program Lead

- Created a program to provide learning resources and mentorship to children in underserved rural communities. Designed and distributed study materials, recruited volunteer tutors, and coordinated outreach to improve access to education and close opportunity gaps.

Varsity Squash

November 2021 – January 2025

Captain (Grade 11-12), Member (Grade 9-10)

- Attend 5 practices, 2 weight training sessions per week; 2nd individual seed in NEPSAC (New England Preparatory School Athletic Council)

Williston Northampton Asian Alliance Club

Sept 2021 – June 2025

Co-founder

- Helped launched new club to explore Asian culture/customs and hold celebratory events for holidays (Mid-Autumn Festival, Chinese New Year)

Williston Northampton Math Resource Center

Sept 2023 – June 2025

Tutor

- Volunteer weekly helping students in Grades 9, 10, and 11 understand mathematics homework assignments and prepare for upcoming tests and quizzes

Williston Northampton Math Club

Sept 2021 – June 2025

Member

- Study calculus, logic, pure math; practice HMMT (Harvard-MIT Mathematics Tournament) questions; prepare for AMC (American Mathematics Competition)