

# STEPHEN ZHANG

(202) · 413 · 6000 ◊ sz3@andrew.cmu.edu

<https://www.linkedin.com/in/srzhang/>

## EDUCATION

---

### Carnegie Mellon University

Fall 2025 - Spring 2028

Bachelor of Science in Computer Science (GPA: 4.0/4.0)

Coursework: Intro Computer Systems, Principles of Functional Programming, Principles of Imperative Computation, Vector Analysis, Matrix Theory, Discrete Math

### Montgomery Blair High School

Fall 2021 - Spring 2025

Science, Mathematics, and Computer Science Magnet Program (WGPA: 4.97/5.0)

Coursework: Complex Analysis, MV Calc/Diff Eq, Linear Algebra, Discrete Math, Analysis of Algorithms

## EXPERIENCE

---

### NASA Goddard Space Flight Center

June 2025 - Aug 2025

National Space Club Research Intern

Greenbelt, MD

- Compared the performance of a pre-trained foundation model with a baseline model for 3D Cloud prediction tasks.
- Trained a baseline UNet model from the ground up and finetuned foundation model weights.
- Created scripts, pipelines, and virtual pipelines for easy future use in other similar projects with the same models.
- Helped other NASA Space Club interns with their various projects.

### NASA Goddard Space Flight Center

June 2024 - Aug 2024

OSTEM Research Intern

Greenbelt, MD

- Prepared data for use in various downstream tasks in order to test the performance of a foundation model.
- Co-located vertical remote-sensing satellite data with Advanced Baseline Imager (ABI) images.
- Created easy to use and efficient scripts for future use in other projects
- Presented work at the American Geophysical Union 2024 Conference (AGU) in front of hundreds of researchers.

### Montgomery Blair Systems Operator

Fall 2023 - Spring 2025

DevOps & Software Engineer

Silver Spring, MD

- Managed the school website (<https://mbhs.edu/>) and school server.
- Fixed server issues when various important websites went down.
- Created backups of important school data and websites.

## AWARDS & PROJECTS

---

### USA Computing Olympiad (USACO)

USACO is the premier high school programming competition.

- Achieved the highest division (Platinum) in 2023.

### Student Helper App (Grapes)

<https://grapes.srzhang.xyz/>

- Created an app with the goal of helping students in my county manage their grades and keep on top of their work.
- Achieved a peak of **20,000 active users** and **1.3 million** site visits (Google Analytics).

### UPenn PClassic Advanced Division 1st Place (2023)

Cornell University Big Red Math Competition 3rd Place (2023)

University of Maryland Programming Competition 2nd Place (2024)

University of Maryland High School Mathematics Competition Honorable Mention (2022, 2023, 2024, 2025)

American Invitational Mathematics Examination (AIME) Qualifier (2021, 2022, 2023, 2024, 2025)

## TECHNICAL STRENGTHS

---

C++, Python, Java, C, Kotlin, HTML, CSS, Javascript, Node.js, Go, MySQL, MATLAB, Git, Bash, Linux, LaTeX, Docker