

Jimmy Zhang

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Summary

Proficient in Python and mainly practiced on Leetcode (leetcode.com/u/UndefinedConcept). Exploring various coding concepts and algorithms. Researched interpolation methods to map the air pollutants. Passionate about applying innovative thinking, detail orientation, and technical strength to assistive applications and design.

Education

University of Maryland, College Park, MD

Expected May 2028

Bachelor of Science in Computer Science (Intended) • College Park Scholars: Data Justice Program • GPA: 4.0/4.0

- Relevant Coursework: Object-Oriented Programming II, Linear Algebra, Approach to Computing; Survival Electronics, and Seeing the Internet

Eleanor Roosevelt High School, Greenbelt, MD

August 2020–May 2024

Science and Technology Program: Computer Science • GPA: 4.0/4.0 (4.324 weighted)

- Research Practicum Project: “Comparison of Interpolation Methods on Various Air Pollutants”
- AP: Chemistry, World History, Calculus AB, Literacy, Computer Science Java, Statistics, and Physic C
- Clubs: National Honor Society, Programming Club, Badminton Club, Chess Club

Experience

Data Science Intern

Science and Technology Program

Science Systems Applications, Inc, Lanham, MD

September 2023–May 2024

Research Mentors: Ms. Jackie Kendall, Dr. Makhan Viridi, and Mr. Perry Oddo

- Produced an air quality monitoring website that covered the bounding box of Maryland
- Wrote a research paper comparing interpolation methods for various air pollutants
- Developed a script to gather, process, and analyze the movement of air quality

Math Instructor

Mathnasium of Glenn Dale, Lanham, MD

July 2023–September 2023

- Utilized various teaching techniques to enhance student's math reasoning and logic
- Translated complex math concepts into simplified, easy-to-understand terms
- Fostered a positive and interactive learning environment where students were actively engaged

Volunteering Math Teacher

MFC Academy, Lanham, MD

June 2021–August 2021

- Volunteered over 222 hours implementing teaching methods to make learning fun and informative
- Collaborated with other teachers to help 4–5th graders get up to speed with core subjects such as math

Software & Skills

- Programming Languages: Python (Immediate), Java (Beginner), Javascript (Beginner)
- Technology: Github, VSCode, Anaconda, Chrome DevTools, Ubuntu, Raspberry Pi
- Data Structures: Linked List, Binary Trees, Graph Nodes