

Aman Singh

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EDUCATION

University of Delaware – Honors College

College of Engineering; Bachelor of Science

Cumulative GPA: 3.975; Dean's List all semesters

Major: Computer Science

Relevant Coursework: Data Structures and Algorithms, Introduction to Algorithms, Introduction to Software Engineering, Machine Organization and Assembly Language, Discrete Mathematics, Introduction to Systems Programming

Newark, DE

August 2021 – June 2025

MOT Charter High School

Cumulative GPA: 4.340

Relevant Coursework: Intro to Computer Principles, AP Computer Science Principles (AP Exam Score: 5), AP Computer Science A (AP Exam Score: 4), Computer Science IV, AP Calculus AB (AP Exam Score: 4), AP Calculus BC

Middletown, DE

August 2017 – May 2021

EXPERIENCE

Wyzant Tutoring

Certified Computer Science Tutor

Bear, DE

July 2021 – Present

- Teach 15 students about Computer Science topics (Python, JavaScript, HTML, CSS, PHP)
- Provide help for projects, homework, and enrichment through online and in-person lessons
- Prepare frequent lessons for each student and record learned material in student log
- Communicate with parents and motivate students to achieve their educational goals

University of Delaware

Computer Science Teaching Assistant

Newark, DE

August 2022 – Present

- Work as a Developer TA for CISC108 (Intro to Computer Science I)
- Co-create, edit, compile, and debug extension projects for students
- Hold office hours to help students with assignments and projects

SKILLS

- Software:
 - Proficient in Shell Scripting, VIM, Visual Studio Code, IntelliJ IDEA, GitHub, Microsoft Office, Qualtrics, Mathematica
 - Highly competent in MySQL
- Programming Languages:
 - Proficient in Python, Java, JavaScript, jQuery, HTML, CSS
 - Highly competent in C, C++, PHP, TypeScript, React

ACTIVITIES

Current Activities

- CS+SG (Computer Science + Social Good) – *Active Member*
- Competitive Programming Club – *Active Member*
- Association for Computing Machinery – *Active Member*
- Other Activities: Society of Asian Scientists and Engineers, Indian Student Association, Delaware Outing Club

Creative Coders

Co-Founder and President

Middletown, DE

October 2020 – May 2021

- Co-create and coordinate first programming organization at MOT Charter High School
- Organize weekly meetings to collaborate on strategies and review individual progress
- Promote several hackathons and other coding-related opportunities through the club

National Honor Society

Mentoring Committee Leader

Middletown, DE

September 2020 – May 2021

- Supervise the school's after-class mentoring program to help students succeed
- Implement more efficient approaches to connect mentors to 35 mentees
- Review effectiveness of mentoring program in weekly meetings and restructure