Aman Singh

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EDUCATION

University of Delaware – Honors College <div style="float:right">Newark, DE</div>
Computer Science, Bachelor's of Science <div style="float:right">August 2021 – June 2025</div>
Cumulative GPA: 3.955; Dean's List all semesters

Relevant Coursework: Data Structures, Parallel Computing, Algorithms, Software Engineering,
Machine Organization and Assembly Language, Systems Programming, Logic for Programming

MOT Charter High School <div style="float:right">Middletown, DE</div>
Cumulative GPA: 4.340 <div style="float:right">August 2017 – May 2021</div>

EXPERIENCE

Wyzant Tutoring <div style="float:right">Bear, DE</div>
Certified Computer Science Tutor <div style="float:right">July 2021 – Present</div>
- Teach 15 students about Computer Science topics (Python, PHP, SQL, JavaScript, HTML, CSS)
- Provide help for projects, homework, and enrichment through online and in-person lessons
- Prepare frequent lessons for each student (hundreds of hours logged on the platform)
- Communicate with parents and motivate students to achieve their educational goals

University of Delaware <div style="float:right">Newark, DE</div>
Undergraduate Researcher <div style="float:right">June 2023 – August 2023</div>
- Completed a 10-week Summer Scholar's research program involving computer programming
- Verified a computationally complex mathematical proof by writing several Python scripts
- Developed the solution around weekly specifications from a professor and Ph.D. student
- Designed a poster and presented results at the Symposium for Undergraduate Research

University of Delaware <div style="float:right">Newark, DE</div>
Computer Science Teaching Assistant <div style="float:right">August 2022 – December 2022</div>
- Developed instructional material for an introductory Computer Science course
- Co-created, edited, compiled, and debugged projects for accelerated students
- Held office hours to help all students with course assignments and projects

PROJECTS

HenHacks Hackathon 2023 <div style="float:right">University of Delaware</div>
Placed 1st in the M&T Community Hack <div style="float:right">May 2023</div>
- Collaborated with to design a solution to a local issue during a 24-hour hackathon
- Coded a React/TypeScript website and presented our work to a panel of judges

Data Science + Artificial Center of Intelligence Summer Hackathon 2023 <div style="float:right">University of Delaware</div>
Placed Top 4 in the competition <div style="float:right">July 2023</div>
- Developed generative models to improve a precipitation prediction algorithm using existing datasets
- Presented findings via daily presentations and at the 2023 Data Science Symposium

SKILLS

- Software Development, Shell Scripting, VIM, Visual Studio Code, MySQL, Git, GitHub, IntelliJ, Microsoft Office, Mathematica
- Proficient in Python, Java, JavaScript, jQuery, HTML, CSS | Highly competent in C, C++, PHP, TypeScript, React, Java,

ACTIVITIES

Computer Science + Social Good <div style="float:right">Newark, DE</div>
Project Coordinator <div style="float:right">June 2023 – August 2023</div>
- Lead the organization for a collaborative service project using programming
- Design and develop code to create a community-based application (React, TypeScript, Git)