

Aditi Haiman

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EDUCATION

Carnegie Mellon University | PhD in Human Computer Interaction | Expected May 2029

Barnard College, Columbia University | BA Computer Science | Graduated 2024, Magna Cum Laude | 3.99 GPA

Stuyvesant High School | New York, NY | Graduated 2020 | 4.0 GPA

Relevant coursework: Artificial Intelligence, Discrete Math, Advanced Programming, Computational Linear Algebra, Data Structures in Java, Fundamentals of Computer Systems, Multivariable Calculus, Computer Science Theory, Creative Embedded Systems, Computational Aspects of Robotics, Computer Vision, Computer Graphics, Computational Sound

WORK AND VOLUNTEER EXPERIENCE

Carnegie Mellon University | *Researcher, McLearn Lab*

May 2023 - Aug 2024

- Developed ground-up port of an educational game from Unity to HTML/JS
- Designed and problem-solved ways to implement Angle Jungle game mechanics
- Brainstormed further improvements and extensions to the original game
- Presented and demoed completed project at REU poster session
- Received funding for research and program attendance from NSF (National Science Foundation)

University of Southern California | *Researcher, HaRVI Lab*

May 2022 - August 2022

- Designed and developed a music cube to facilitate composition and act as an object of interest
- Designed new circuit components
- Learned computer engineering techniques, including soldering, wiring circuits, creating electrical components
- Presented completed prototype at REU symposium
- Received funding for research and program attendance from NSF (National Science Foundation)

Thinking Caps Group | *Tutor*

July 2021 - June 2022

- Tutor for middle and high school math, ISEE test prep, and executive functioning
- Developed lesson plans to teach 6th grade math curriculum over four weeks
- Encouraged mathematical maturity during weekly lessons with 3-4 students

Mount Sinai Hospital | *Research Volunteer*

July 2019

- Led 2-person team under guidance of Principal Investigator and graduate student
- Conducted research to isolate and analyze gene expression of Nef HIV protein
- Analyzed data relating to HIV gene expression

Google | *Mentee*

October 2018 - February 2019

- Led 4-member team under guidance of a Google mentor at weekly meetings
- Developed website and app to aid high school students in finding work opportunities
- Self-taught skills in JavaScript and Bootstrap
- Created and gave a 15-minute presentation of final project to Google engineers

COMMUNITY ENGAGEMENT AND LEADERSHIP

- Mentor for CS@BC Mentorship Program (student-run program at Barnard)
- Course Assistant for Data Structures in Java
- Women in Computer Science
- Columbia Ski and Snowboard Team
- Columbia Rock Climbing Club

SKILLS AND INTERESTS

Technical skills: Python, Java, C, MIPS Assembly, HTML, CSS, MS Word, Excel, Powerpoint

Language: Hungarian (native speaker), Tamil (native speaker), Spanish (intermediate),

Interests: classical piano, rock climbing, bird watching