

Aditi Haiman

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EDUCATION

Barnard College, Columbia University | New York, NY | *BA Computer Science* Expected May 2024
3.97 GPA (Dean's List)

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

WORK AND VOLUNTEER EXPERIENCE

University of Southern California | *Researcher, HaRVT 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
- Researched HIV using PCR and electrophoresis

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

Department of Microbiology, University of Regensburg | *Lab Intern* July 2018

- Worked alongside graduate, Masters and Ph.D. students on various projects
- Gained experience with a lab techniques including PCR, gel electrophoresis, electron microscopy
- Conducted experiments with anaerobic organisms and photodynamic inactivation of bacteria

COMMUNITY ENGAGEMENT AND LEADERSHIP

- Course Assistant for Data Structures in Java
- Columbia Ski and Snowboard Team
- Barnard Outdoor Adventure Team
- Women in Computer Science

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