

SAMIHA DATTA

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EDUCATION

Dartmouth College, Hanover, NH

Jun 2023

Bachelor of Arts, Major in Computer Science, Minors in Human-Centered Design and Linguistics

Relevant Coursework: Object-Oriented Programming (Data Structures + Algorithms), Software Design and Implementation, Full-Stack Web Development*, Introduction to UI/UX Design*, Introductory Linguistics, Experimental Phonetics*, Public Speaking, Expository Writing

Activities: Women in Computer Science Executive Board, Women in Science Project, Raaz (Indian dance team), Great Issues Scholars in Residence, Dartmouth Political Times, Academic Skills Center (Tutor Clearinghouse)

Buckingham Browne & Nichols School, Cambridge, MA

Jun 2019

ACT: 35 / SAT II Math: 790 / SAT II Chemistry: 790

GPA 3.96/4.00 (unweighted)

Relevant Coursework: AP Computer Science A (Plus Data Structures) (5), Advanced Topics in Computer Science, Analyzing Data with Python, AP Calculus BC (5), Honors Linear Algebra and Multivariable Calculus

Honors: Cum Laude Society, Annette Johnson Prize for Citizenship, Scholastic Arts & Writing Awards Regional Gold and Silver Keys and National Silver Medal, AP Scholar with Honor Award, Petropoulos Art Scholar, Outstanding Profile Award

Activities: Math Team co-captain, The Point of View (political opinion magazine) (editor and writer), The Spectator (arts and literary magazine) (editorial board), Community Day workshop creator and facilitator, SHADES (social justice organization), Feminist Coalition, Varsity Fencing, Senior Prefect

SKILLS & INTERESTS

Technical skills: proficient in Java, Python, C, React Native*, HTML*, CSS*, JavaScript*, REST APIs*; prior experience in Swift
Additional interests: human-centered design, linguistics, writing and editing, social justice, dance, travel

WORK EXPERIENCE

Digital Applied Learning and Innovation (DALI) Lab, Hanover, NH

Jan 2020 - Present

Mobile App Design and Development Intern (Women in Science Project)

- Designing and developing a React Native mobile application to educate college students on personal finance
- App securely accesses Dartmouth College's meal plan system to help students effectively allocate resources in real time

Academic Skills Center at Dartmouth College, Hanover, NH

Jan 2020 - Present

Computer Science Tutor

- Tutored Object-Oriented Programming for up to 3 hours per week per tutee
- Explained core concepts, answered questions on assignments, and provided programming exercises

Man Numeric, Boston, MA

Jun 2018 - Aug 2018

Technical & Asset Portfolio Analyst Intern

- Successfully programmed and tested a baseline quality alpha factor and wrote unit tests for Technology team functions
- Conducted research on Environmental, Social, and Governance factors and Alternative Risk Premia strategies
- Presented to team at least once a week

LEADERSHIP & SERVICE

Buckingham Browne & Nichols School Math Team, Cambridge, MA

Apr 2018 - Apr 2019

Co-Captain

- Organized Girls Math Collaborative at high school to encourage focus on math, recruiting 7 female freshmen to team
- Taught members mathematical topics to prepare for contests (Greater Boston Math League, Purple Comet, New England Math League, Mandelbrot, Worcester Polytechnic Institute, Harvard-MIT Math Tournament) at semiweekly meetings
- Facilitated and graded 2 Interscholastic Math League of Eastern Massachusetts competitions

Newton Free Library, Newton, MA

Mar 2018 - Aug 2018

Math Club Organizer & Children's Room Volunteer

- Prepared for and led a weekly math and computer science club for children in grades kindergarten through second grade

ADDITIONAL WORK EXPERIENCE

Triveni School of Dance, Brookline, MA

Jul 2017 - Sep 2019

Instructor

- Taught three styles of Indian classical dance 4-20 hours per week to students of ages 4-64 upon completion of classical dance debut (arangetram)
- Prepared 6 students for their 3-hour-long debuts and co-choreographed 3 dances for 2 benefit shows