

EDUCATION

Columbia University

NEW YORK, NY

B.S. Computer Science Candidate, Political Science Minor (Expected graduation May 2023)

- C.P. Davis Engineering Scholar | Dean's List: Fall '20, Spring '21, Fall '21
- Specialization in Intelligent Systems
- Extracurricular Activities: RISE Consulting (pro-bono consulting for minority owned businesses, Technical Manager), Columbia Sur (a capella, Captain), Columbia Sewa (service, Public Relations Chair), Society for Women Engineers

SKILLS

- Coding Languages: Python, Java, C, HTML/CSS, JavaScript, PHP
- Environments: Unix, Windows, Anaconda, MySQL
- Languages: Spanish, Hindi, Punjabi, Urdu (professional working proficiency)

TECHNICAL PROJECTS

Salleb-Aouissi Lab *Full Stack Engineer, May 2021 – Jan 2022*

NEW YORK, NY

- Develop an app using AI which provides math students immediate feedback on practice problems
- Create documentation for 4000+ lines of legacy code and our team's additions for future ease of use
- Collaborate with front-end team to create a seamless user experience and ensure product scalability

Columbia Internet Real Time Lab *Student Researcher, Jan 2021 – May 2021*

NEW YORK, NY

- Analyzing network patterns of IoT devices to create a privacy grading deliverable for Consumer Reports
- Writing code to track geospatial data, data volume, and encryption level of the user data being shared by IoT devices

Stay Subway Safe *Co-Founder, June 2020 – Aug 2020*

NEW YORK, NY

- Collaborated with 5 teammates and became finalist in Columbia University Design Challenge
- Built Python algorithm to calculate crowd levels on individual subway platforms using turnstile and train arrival data

Fermi National Accelerator Laboratory *Student Intern, Nov 2016 – Jul 2019*

BATAVIA, IL

- Proposed and integrated 3 AI programs in Python to search for black holes for the international Dark Energy Survey
- Presented findings at a variety of levels, including to Ph.D. scientists, student interns, and the public

WORK AND LEADERSHIP EXPERIENCE

Columbia Daily Spectator Graphics *Associate Reporter, Feb 2022 – Present*

NEW YORK, NY

- Collaborate with University News and City News sections to create data visuals for investigative reports
- Pitch stories, analyze data, and create visuals with Python, R, and Adobe Illustrator

Columbia University Computer Science Department *Teaching Assistant, Sept 2020 – Present*

NEW YORK, NY

- TA for Data Structures and Algorithms in Java, Introduction to Java, Discrete Math
- Selected to join team of 12 teaching assistants from university-wide pool of applicants
- Host office hours, organize review sessions, write assignments, and grade for classes of 350+ students

SurbhiLately Product Management Fellowship *Student Fellow, April 2022 – Present*

REMOTE

- Selected to join cohort of <30 students nationwide for 6 week intensive on Product Management led by a Microsoft Teams Product Manager

Columbia Sur A Capella *Captain, Jan 2021 – Present*

NEW YORK, NY

- Lead board of 5 members in organizing practices, paid performances, and managing funds
- Direct team of 18 members in learning, arranging, and performing music

Girls IN2 STEM *Co-Founder and Executive Board Member, Nov 2016 – May 2019*

AURORA, IL

- Built networking/mentorship program for girls in STEM with 184 participants in first year, first of its kind in Illinois.
- Lead the board of 6 members, organized networking events for 50 attendees, and launched and grew the program