

Raven Rothkopf

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EDUCATION

Barnard College, Columbia University | New York, NY | *BA Computer Science* Expected May 2024 | Minor in Mathematics; Dean's List (Spring 2021, Fall 2021, Spring 2022) GPA: 3.78

★ **Relevant Coursework:** Data Structures and Algorithms in Java, Accessible User Interface Design, Advanced Programming in C, Computer Science Theory, Discrete Mathematics, Calculus I through IV

TECHNICAL SKILLS & LANGUAGES

Technical: Java, Python, C, JavaScript/jQuery, Git/Github, Vim, Linux OS, Accessible Web Development, Beginner in React.js

Languages: Intermediate Spanish

RESEARCH & ANALYSIS EXPERIENCE

Programming Languages Lab, Barnard College | New York, NY | *Research Assistant* |
February 2022 – Present

- Researcher under Dr. Mark Santolucito. Developed [dynamicGrammars](#), a dynamic, dropdown-based structured editor for temporal logic specifications in JavaScript
- Conduct novel research in program synthesis to advance temporal stream logic
- Write code as part of a team and undergo weekly code quality reviews
- Attend regular meetings with 3 minute presentations to report progress of research.
- Provide feedback and advice to peers on research progress
- Write and edit academic work for presentation and publication
- Received \$6k funding from the National Science Foundation and Barnard's Summer Research Institute to support ten-weeks of full-time summer work

LEADERSHIP & COMMUNITY INVOLVEMENT

Instructional Media and Technology Services (IMATS), Barnard College | New York, NY | *Student Assistant*
| September 2021 – Present

- Use Drupal and web development skills to produce a more accessible user interface for Barnard library, IMATS, and Media Center websites
- Provide free access to audio and visual technology for the broader Columbia University community
- Facilitate checkouts and returns at the equipment room window
- Attend regular trainings on new equipment and software
- Assist with Media Center workshops, events, and film screenings
- Manage IMATS and Media Center social media channels (Facebook, Instagram, and Twitter)

Chicago Raw | Chicago, IL | *Manager* | October 2020 – September 2021

- Manager of small raw vegan restaurant
- Brought in tens of thousands of dollars in sales
- Tasks included customer service, problem resolution, inventory management, reconciliation, food/drink preparation, drink service, food safety training, point of sale systems operation, and key holder. All tasks required strong interpersonal skills

EXTRA CURRICULARS

Hoot Magazine, Web Editor

- One of 3 web designers for Columbia University's only and renowned fashion magazine. Currently building a new website from the ground up.

Application Development Initiative, General Body Member & Mentee

- Member of the largest CS club on Columbia's campus. Attend technical workshops in a broad range of topics.