

## Raven Rothkopf

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### EDUCATION

**Barnard College, Columbia University** | New York, NY | *B.A Computer Science* Expected May 2024 |

Minor in Mathematics and Environmental Science; Dean's List (Spring 2021, Fall 2021, Spring 2022) GPA: 3.77

★ **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, React.js, LaTeX, Microsoft Office

**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 reactive program synthesis to advance temporal stream logic
- Write code as part of a team and undergo weekly code quality reviews
- Attend twice-weekly stand ups to report progress of research.
- Provide feedback and advice to peers on research progress as a temporal logic expert
- Write and edit academic work for presentation, grant application and publication
- Received 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.