

Hannah Macias

Personal Information

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Education

Bachelor of Science in Computer Science

Barnard College of Columbia University, New York, NY
Expected Graduation: May 2024
GPA: 3.3/4.00

Experience

Computational Research Intern

Barnard College of Columbia University, New York, NY
Duration: June 2021 - May 2021 and June 2023 Onward

- Conducted research focused on Computer Music, Program Synthesis, Live Coding, and Domain Specific Languages.
- Coded primarily using JavaScript, HTML, and CSS.
- Designed a user study for a new web application.
- Worked on a research paper to be submitted to future related conferences.
- Submitted a demo paper that was accepted, published, and presented at the Programming Languages and Interactive Entertainment Workshop.
- Served as a project manager, ensuring successful completion of team members' tasks, overseeing merging of project portions, and communicating with the mentor.
- Presently working on a new project about AI assisted fashion design. The plan is to apply an interactive genetic algorithm to fashion design.

Interactive Media And Technology Services (IMATS) Team Member

Barnard College of Columbia University, New York, NY
Duration: September 2022 - December 2022

- Maintained a variety of technology and equipment for rental to students.
- Facilitated checkout and return processes, including troubleshooting and record-keeping.
- Provided tech support to students and staff.

Hostess, Waitress, and Operations Assistant

Tortilla Flats Restaurant, Santa Fe, New Mexico
Duration: May 2016 - May 2023

- As a hostess, managed seating availability, answered phone calls, and assisted with takeout orders.
- As a waitress, provided quality customer service, took and delivered orders, and managed time efficiently.
- As an operations assistant, troubleshooted and provided technical support, assisted with business product and financial database management, and created promotional marketing material.

Extracurricular Activities

- Columbia Women In Computer Science Club Member
- Barnard College Athena Digital Design Agency Member
- Columbia Application Development Initiative
- Society of Hispanic Professional Engineers Member
- Columbia Financial Investment Group Member
- Columbia Women in Business Club Member
- Columbia Organization of Rising Entrepreneurs Club Member
- Inertia NYC Stem Startup Team Member
- Hackathons: YHack 2022, DivHacks 2022
- Columbia Ski and Snowboarding Team
- Columbia Barbell Club
- Barnard Outdoor Adventure Team Member

Awards

- Barnard Dean's List 2021
- Hispanic Scholarship Fund Recipient
- Kode With Klossy Scholar

Skills

- Programming Languages: Java, JavaScript, HTML, CSS, Python, C, C++, Swift, LINUX/UNIX, Bash
- Technical Skills: Programming and Scripting, Data Analysis and Visualization using Python Libraries and Excel, Database Management, Statistical Analysis
- Analytical and Critical Thinking and Problem-Solving Skills
- Project Management
- Excellent Written and Verbal Communication
- Advanced Presentation Skills
- Collaboration

References

Available upon request.