

Avita Flores

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EDUCATION

Barnard College, Columbia University | New York, NY Expected May 2024

BA Computer Science;

Selected Coursework: Advanced Programming, Discrete Mathematics, Data Structures

Northampton High School | Northampton, MA May 2020

TECHNICAL PROJECTS

Mental Health Application | *Backend Programmer* April 2022 - Present

- Find creative solutions to programming problems in order to create a user-friendly application
- Collaborate with designers and frontend developers in a team of 8
- Program an MDN web game with an incorporated database using firebase
- Design backend APIs and RESTful endpoints to ensure an efficient process for frontend developers

Personal Website | *Front-End Developer* May 2022

- Apply Javascript, HTML, and CSS to create a personal website
- Maintain an organized and clearly labeled code to ensure bugs are easier to locate
- Use Git to push and pull updates

Space Runner | *Programmer and Project Manager* March 2022

- Design and program an endless runner videogame using C# and Unity
- Construct 2D physics engine using spherical collision detection and response
- Implement sound engine and compose sound effects

PROFESSIONAL EXPERIENCE

Columbia Nano Initiative | New York, NY | *Student Assistant* February 2021 - March 2021

- Provided general administrative support to a team of 20+ members to create an efficient environment
- Organized data in spreadsheets that clearly portrayed details
- Ensured completeness and accuracy of data collection

RESEARCH & ANALYSIS EXPERIENCE

Math Match | New York, NY | *Research Assistant* September 2021 - December 2021

- Led a group of 3 students in an engaging and patient manner
- Followed a strict procedure to ensure accuracy of research data
- Created detailed weekly reports on research progress

NLP Lab at Barnard | New York, NY | *Research Assistant* August 2021 - December 2021

- Collaborated with a team of 10 people to create an effective system of communication through Slack
- Researched 150+ terms per week and updated my findings in an Excel spreadsheet
- Ensured completeness and accuracy of data collection
- Communicated clearly and efficiently with a supervisor to ensure all needs are met

TECHNICAL SKILLS & LANGUAGES

Technical: C/C++, C#, Java, Git, Adobe Suite, MS Office (incl. *Excel*);

Languages: Fluent in Spanish, Portuguese; Basic French