

Gabrielle Pile

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Waltham, Massachusetts 02453

318 East 25th Street
Brooklyn, New York 11226

EDUCATION:

Brandeis University - Waltham, Massachusetts
Bachelor of Science in Computer Science
Cumulative GPA: 3.67

Expected Graduation: May 2024

RELEVANT COURSES:

- Introduction to Problem Solving in Python
- Data Structures and the Fundamentals of Computing
- Fundamentals of Software Engineering
- Advanced Programming Technique in Java
- Discrete Mathematics

TECHNICAL/NON-TECHNICAL SKILLS:

- Microsoft Word, PowerPoint
- Linux, Windows, MacOS
- Intermediate knowledge of French
- Java, Python, JavaScript, HTML5, CSS with knowledge of (Bootstrap)
- MySQL, MongoDB

PROJECTS/RESEARCH:

Personal Website

- Built a personal website using HTML5, CSS, and javascript that allowed users to understand & learn information about myself
- Used the Bootstrap CSS framework, as well as the CSS grid in order to make the website responsive and fluid so it can fit in different viewports.

MovieFinderApp

- Created a movie finder Heroku app that would allow users to look up American movies made between the 1980-2010 using the year the movie was made, the title of the movie, or a keyword associated with the movie.
- Collected the data on American movies and organized them and placed them into a JSON file, then used MongoDB in order to turn the json file into a cloud database.
- Utilized javascript, HTML, and ejs in order to format and generate a list of movies that fit the criteria of the movie that the user searched for.

EXPERIENCE:

ID Tech, Manhattan, NY

Instructor

July 2022 - Present

- Taught over 20 children how to create and launch an interactive video game using Adobe Photoshop, Roblox, and Lua(a programming language), as well as how to program a micro bit using javascript on Microsoft Maker's code
- Assisted students in completing and debugging their final project which displayed both their knowledge & creativity
- Created diplomas weekly that highlighted the strengths of each student

Summer Research Training Program in BioMedical Big Data Science at Ma'ayan Lab , Manhattan, NY

Intern

Jun 2021 - Present

- Assisted in the creation of a Google Chrome extension that analyzed single cell RNA sequencing data from the GEO database which gave researcher's access to raw data files.
- Prepared a presentation that entailed how to send a request to a server, the different kinds of requests that could be sent, and how fetch requests were used to retrieve unprocessed RNA data from a database created in the Lab.
- Collected, extracted, and presented weekly findings with important information from scientific studies single cell RNA sequencing, and genetic transcriptome analysis from PubMed which gave lab members new ideas about research projects the lab could undertake

VOLUNTEER EXPERIENCE:

Admission Squad, Brooklyn, NY

Teaching Assistant

June 2018 - August 2018

- Taught over 20 students the basics of geometry and algebra to prepare them for the Specialized Highschool Test
- Assessed student progress and areas of improvement by grading homework and tests of students
- Planned events with professionals in STEM fields to allow students to build their networking skills

ACTIVITIES/AWARDS:

- Black Student Organization
- Dean's List
- Publicity Coordinator
- Recipient
- April 2022- Present
- December 2020- Present

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| ● Posse Foundation Full-Tuition leadership Scholarship | Recipient | January 2020 - Present |
| ● Prevention Advocacy Resource Center | Peer Educator | January 2021 - Present |
| ● Prevention Advocacy Resource Center | Violence Prevention Educator | January 2022 - Present |