

Jenna Brennan

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Education

Manhattan University — Riverdale, NY

B.S. in Computer Engineering | Expected May 2030

Honors: James Patterson Honors Program Scholarship, Trustee Scholarship, Jasper Promise Award, John E. Hogan '40 Scholarship

Certifications: IBM Getting Started with AI – IBM, 2026

Relevant Coursework: Honors Calculus I, Physics I with Lab, Introduction to Engineering

Honors and AP: AP Computer Science A (Score: 5) | AP Computer Science Principles (Score: 5)

Technical Skills

Languages: Java, Python, HTML, CSS, JavaScript

Tools: VS Code, GitHub, Git

Concepts: Object-Oriented Programming, Web Development, AI Fundamentals

Projects

Negative Space | 2nd Place/776 Participants - CS Girlies Hackathon

- Co-developed and deployed a web application using HTML, CSS, and JavaScript, implementing session timers, CSS animations, background transitions, audio, and journaling with localStorage.

Final Night RPG

- Developed an interactive text-based RPG in Java using object-oriented design principles; implemented branching narratives, player state tracking, and modular game logic.

Senior Capstone Website

- Built a web application presenting results from an original experiment evaluating AI's impact on social media engagement, featuring interactive video navigation and comparative analytics.

Crossy Road-Inspired Game

- Migrated a Brython arcade game from a browser sandbox to local development; refactored Python-based game logic and integrated HTML rendering components using VS Code and Git.
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Professional Experience

Lifeguard — Highland Lakes Country Club — Highland Lakes, NJ

May 2024 – Aug 2025

- Maintained swimmer safety in a fast-paced environment.

Lifeguard — Crystal Springs Resort — Hamburg, NJ

Jul 2023 – Aug 2025

- Monitored swimmers and enforced safety procedures to ensure a safe environment for guests.

Employee — Brennan's Florist — Jersey City, NJ

Sep 2022 – Present

- Assist customers, process orders, and support daily business operations.
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Leadership & Activities

President, Girls Who Code

Sep 2025 – May 2026

- Revived the chapter by organizing coding workshops and mentoring students in introductory programming concepts.

President, NASA HUNCH Design & Prototype

Sep 2025 – May 2026

- Led brainstorming, directed CAD modeling using Tinkercad, oversaw prototype development, and conducted prototype testing.

Founding Member & Lead Programmer, FIRST Tech Challenge Robotics Team

Sep 2024 – May 2026

- Recruited new members, tripling the team size while leading robot programming efforts, including constructing autonomous algorithmic logic and motion routines.