

JULIETTE MANGON

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EDUCATION

New York University

Sept 2022 – Dec 2025

B.A. Computer Science and Mathematics

Coursework: Applied Internet Technology, Natural Language Processing, Algorithms, Numerical Computing, Computer Systems Organization, Real Analysis, Theory of Probability, Mathematical Statistics and Data Analysis.

Minor in Business of Entertainment, Media, and Technology

Coursework: Data Analysis in the Music Industry, Business of the Music Industry, Music Publishing, Strategic Music and Branding, Business of Film, Globalization of the Entertainment Industry, Business of Video Games.

TECHNICAL SKILLS

Languages & Frameworks | TypeScript, JavaScript, Python, Java, C++, C, React, Next.js, Express.js, Node.js, HTML, Swift

Tools & Platforms | AWS, Git, GitHub, Unix/Linux, Docker, REST APIs, MongoDB, SQL, Firebase, Figma

EXPERIENCE

Product Manager | Heritage

Jan 2026 – Present

- Leading a team of 4 engineers to build Heritage, an iOS and web platform that connects aspirational users to the right people and opportunities.
- Designed the opportunity and connection recommendation algorithms, defining the matching logic and personalization rules, refining through user testing and behavioral feedback.
- Driving feature development across the consumer app and partner platform, conducting market research, authoring product specs, and defining backend architecture.

AI Engineering Consultant | Spinach Media Group

Feb 2026 – Present

- Advising on integrating LLM-driven workflows for analyzing media performance and audience behavior.
- Prototyping AI-assisted tools to generate structured insights for product and strategy decisions.
- Conducting case studies on emerging artists and active media campaigns, analyzing audience growth, content performance, and brand positioning across digital platforms.

Web Developer | Freelance

Feb 2025 – Present

Next.js, React, HTML, JavaScript, CSS, Cloudflare, Figma

- Building responsive websites for media and entertainment clients, owning development from design to production.
- Using Cloudflare Analytics and client feedback to iterate design, prioritizing UX to improve user engagement and usability.

Research Software Engineer | NeuGenes UCSF Lab

Oct 2025 – Feb 2026

React, Tailwind CSS, HTML, Express.js, MongoDB, Jest, API Design

- Developed an interactive platform to visualize neural and genetic data from deep-learning alignment models.
- Integrated and unit-tested ML model pipelines into a React/Express application for dynamic data processing and analysis.

AI/ML Intern | Enlaye

Jun – Aug 2025

Python, AWS, TypeScript, SQL, Ollama, Drizzle ORM, OAuth 2.0

- Built and deployed LLM-powered pipelines that processed unstructured user-generated audio and images into structured reports at scale, integrating with Autodesk, Procore, and InEight and enabling 80% faster reporting across 1,000+ events.
- Developed a preprocessing pipeline to standardize input data, improving LLM accuracy by 20% and reducing query latency by 35%.

Software Engineering Intern | Regenerating Inc

May – Aug 2024

Python, SwiftUI, Ollama

- Developed an AI photo-editing iOS application with a SwiftUI frontend and a Python facial-recognition backend.
- Implemented facial recognition using cv2, NumPy, and dlib to generate professional headshots.

PROJECTS

Music Data Analytics and Insights Tool – Music Tech Mentee

Jun – Aug 2025

Python, HTML, JavaScript, Next.js, Express.js, REST APIs, MongoDB, vis.js

- Selected as 1 of 40 mentees from 500+ applicants for She is The Music's mentorship program; received direct mentorship from an industry PM.
- Built a full-stack web application integrating 4 APIs to map music-industry collaboration patterns, with an interactive network dashboard of artist, genre, and label relationships supporting A&R discovery.