

Laura Chen

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EDUCATION

New York University

Bachelor of Arts in Computer Science & Mathematics

New York, NY

Expected May 2026

Activities & Societies: Mathematics Society, HackNYU, Women in Computing

Relevant Coursework: Data Structures, Basic Algorithms, Computer Systems Organization, Linear Algebra, Discrete Mathematics, Data Management & Analysis, Calculus 2 & 3

EXPERIENCE

Vrinda Inc

June 2024 – August 2024

Software Engineer Intern

New York, NY

- Built an internal tool using **OpenAI's SDK, Next.js, and Express**. Enabled employees to efficiently search long PDF documents through a user-friendly, modern interface tailored for non-technical users
- Modernized the company's website using the latest frameworks and tools, increasing search engine optimization by **20%** and increased customer engagement by **20%**.
- Authored and published a 5-page research paper on AI's future in the clean energy and utility industry. Conducted extensive research and provided insights into AI applications and potential improvements in the sector.

IBM

June 2024 – August 2024

Client Engineering & Technical Sales Track

Remote

- Secured a spot in the highly competitive IBM Accelerate Program in the Client Engineering and Technical Sales Track, ranking in the top **7.4%** out of 6,892 applicants

SwiftXR

June 2023 – August 2023

Software Engineer Intern

Remote

- First intern at SwiftXR, worked with senior ICs to ship the current landing page UI
- Created landing page demo video with latest content using **React**, presented to leadership
- Transformed the case carousel display into dynamic video sliders using **JavaScript**

YouTube

August 2022 - Jan. 2022

Contracted Content Creator

San Bruno, CA / Remote

- Contracted to join the Partner Program as a Youtube Shorts creator with over **80k+** subscribers
- Deliverables included creating **80+** original Youtube Shorts uploads over the course of 6 months

PROJECTS

CloudChat | *Next.js, MongoDB, Clerk, TypeScript, Tailwind*

- Developed a full-stack social media platform with a **MongoDB** database and a **Next.js** frontend
- Includes advanced features such as **OAuth**, real-time tweeting and replying, a search engine, and an activity tab, with a community of over **50+** users

Galaxy Generator | *Three.js, WebGL, JavaScript, HTML, CSS*

- Fully 3D website used to render a galaxy by changing the parameters of an Archimedean spiral generated by the native Three.js particle generator

Personal Website | *Next.js, HTML, CSS, Git*

- Minimalistic personal website displaying experience, about, contact and resume with over **1000+** unique visitors

LEADERSHIP

NYU Mathematics Society

President

- Led the strategic direction of a 100+ member student group, improving member engagement by over 26%
- Directed an executive board of 10 members, ensuring execution of weekly social and academic events
- Volunteered to organize cSplash, which attracted over 80+ high school students in 2024, allowing them to explore advanced mathematical concepts beyond the scope of the high school curriculum

HackNYU

Tech Developer

- On the tech team, responsible for creating the 2024 Hackathon website and improving the current main website

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, Typescript, HTML/CSS

Frameworks: Next.js, React, Angular, Express.js, Node.js, Tailwind

Tools: Git, Postgres, MongoDB, Google Cloud Platform, , Figma, AWS, Docker

Concepts: Software Engineering, Frontend, Backend, Data Analysis