

# Maddy Li

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## EDUCATION

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### NEW YORK UNIVERSITY

New York, NY

Bachelor of Arts

May 2025

Major in Computer Science, Minor in Digital Art and Design

Cumulative GPA: 3.94/4.0; Dean's List 2021-2023

Coursework: Data Structures, Computer Music Synthesis: Fundamental Techniques, Computer System Organization, Discrete Mathematics, Writing as Critical Inquiry, Arts and Cultures of Modernity

## WORK EXPERIENCE

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### AvanSight, Inc.

New York, NY (Remote)

Data Science Intern

June 2023 – August 2023

- Generated 40+ swimmer plots derived from raw datasets using Python (matplotlib and pandas), elevating data visualization to enhance analysis and insights, while replacing manual processes with efficient automation.
- Created tumor profile tables by parsing through 10+ raw datasets using Python (docx and pandas), resulting in significant time savings and precise data representation.
- Engineered a Python script (docx and pandas) to generate dynamic Word documents, featuring formatted tables and a table of contents, streamlining the production of 10+ table shells.
- Utilized Python (ElementTree and pandas) to extract data from PDFs and XML files into an Excel sheet, fostering trend analysis and dataset development.

Data Analyst Intern

June 2022 – August 2022

- Generated spider plots, waterfall plots, and swimmer plots in Excel to visualize trends in raw datasets.
- Automated the creation of pivot tables derived from individual subjects' response data to organize analytical findings.
- Served as a project manager by organizing meetings, assigning subjects to team members, and overseeing their progress which allowed for clinical trial data to be efficiently organized into patient databooks.

## PROJECTS

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### To-Do List Application

July 2023 – August 2023

- Built an interactive to-do list website designed in Figma and created using EJS, CSS, JavaScript, Node.js, and Express.js for users to manage tasks and boost productivity.

### Personal Portfolio Website

May 2023 – July 2023

- Prototyped in Adobe XD and built using HTML, CSS, and JavaScript to showcase personal projects.

### Website Design and Development for RightSized Living

January 2023 – April 2023

- Collaborated closely with a small business to conceptualize and create a website, maintaining regular communication with the owner to craft a user-centric interface aligned with the brand's identity and tailored to the target audience.
- Utilized Figma for designing and prototyping an engaging interface, and built the website using Bootstrap, HTML, CSS, and JavaScript to enhance user experience and ensure compatibility across various devices.

## TECHNICAL SKILLS

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**Programming Languages:** Python, C, Java, Javascript, CSS, HTML

**Technologies:** Git/Github, Embedded Javascript (EJS), Rest APIs, Node.js, Express.js, p5.js, Figma, AdobeXD

**Additional:** Full Stack Development, UX/UI Design

## ACTIVITIES & INTERESTS

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Tech@NYU Mentorship Program

Spring 2023

New York University Orchestra

September 2022 – May 2023

Stubbs-Henbest-Davis High School Piano Competition (1st. Awarded \$1,500)

April 2021

**Interests:** Practicing and performing music (3+ different instruments), digital drawing in Procreate, and learning how to cook