

Maddy Li

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EDUCATION

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, Basic Algorithms, Computer System Organization, Parallel Computing, Discrete Mathematics, Design I, Computer Music Synthesis: Fundamental Techniques

WORK EXPERIENCE

AvanSight, Inc.

New York, NY (Remote)

Data Science Intern

June 2023 – August 2023

- Generated 40+ swimmer plots derived from raw datasets in Python using matplotlib and pandas to elevate data visualization and enhance analysis and insights while replacing manual processes with efficient automation
- Created an automated data extraction program to generate tumor profile tables extracting data from 12+ raw datasets, resulting in a 90% increase in efficiency and precise data representation
- Developed 10+ table shells in Word using docx and pandas featuring a bookmarked table of contents and formatted tables
- Utilized ElementTree and pandas to extract data from PDFs and XML files into organized Excel sheets, 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 tasks to team members, and overseeing their progress which allowed for clinical trial data to be efficiently collected into patient databooks

PROJECTS

Personal Portfolio Website

May 2023 – September 2023

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

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

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

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

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

ACTIVITIES & INTERESTS

Data Science Club Marketing Committee

Fall 2023

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