

# Maddy Li

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## EDUCATION

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### NEW YORK UNIVERSITY

Bachelor of Arts

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, Operating Systems, Applied Internet Technology, Parallel Computing, Design I

New York, NY

May 2025

## WORK EXPERIENCE

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### AvanSight, Inc.

Data Science Intern

New York, NY (Remote)

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 by 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

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, fostering teamwork, assigning tasks, and overseeing their progress which allowed for clinical trial data to be efficiently collected into patient databooks

## PROJECTS

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### Tzu Chi Collegiate Mobile App

December 2023 – Present

- Collaborating with an organization established nationwide to design and develop a cross-platform mobile application for members and administrators to keep track of events, log volunteering hours, and verify requests for prospective users
- Wireframed and prototyped in Figma, and currently building using React Native, Node.js, and MySQL

### 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

### Web 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, Data Analysis, Software Engineering, Software Development, UX/UI Design

## ACTIVITIES & INTERESTS

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Tech@NYU Startup Week Web Developer

Fall 2023 – Present

Data Science Club Marketing Committee

Fall 2023 – Present

New York University Orchestra

September 2022 – May 2023

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