Maddy Li

New York, NY | LinkedIn: maddy-li1 | maddy-li.github.io/portfolio/main | md5013@nyu.edu

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
- Developed 10+ table shells in Word using docx and pandas featuring a bookmarked table of contents and formatted tables
- Created an automated data extraction program to generate tumor profile tables by parsing raw datasets resulting in a 90% increase in efficiency in addition to precise data representation
- 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