

KELLY MAO

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EDUCATION

New York University | *New York, NY*

Expected May 2024

- Double Major in Computer Science and Interactive Media Arts (BFA), 3.83 GPA
- Relevant Courses: Data Structures, Basic Algorithms, Discrete Math, Computer Systems Organization, Operating Systems, Applied Internet Technology, Interactive Computing

EXPERIENCE

Tech@NYU | *Co-President*

May 2022 - present

- Support nine executive board members in leading NYU's largest tech club of 400 students

Tech@NYU | *Tech Treks Cohort Lead*

May 2021 - Apr 2022

- Created curriculum and led ten workshops for 30 students with interest in tech
- Planned five guest speaker events and office tours with industry professionals

NYU Computer Science Independent Study | *Technology Lead*

Jan 2022 - Apr 2022

- Developed prototype of a web-based augmented reality interactive tour of the Dyckman Museum with ASL guide videos for deaf visitors using Javascript and A-Frame AR library
- Collaborated with two Museum Studies students to refine and build out defined UX ideas

NYU University Learning Center | *Learning Assistant*

Sep 2021 - Mar 2022

- Provided academic assistance for NYU undergraduate students through drop-in tutoring sessions, study halls, and academic skills workshops
- Subjects included computer science, web development, calculus, statistics, and physics

PROJECTS

Playlist Pals | *JavaScript, MongoDB, Express* | playlistpals.herokuapp.com

May 2022

- Website that allows users to recommend and discover songs based on specific prompts
- Integrates Deezer API to search songs and display cover art and playable audio clips

NYU Course Search Redesign | *Figma* | tinyurl.com/nyu-redesign

Apr 2022

- Course search site prototype that improves information hierarchy, navigation efficiency

BFF Bot | *JavaScript, p5.js, Rivescript, ML5.js, Figma* | tinyurl.com/bff-bot

Mar 2022

- Emotional support tool with chatbot and photobooth, using AI scripting language Rivescript for chatbot trigger matching and ML5.js for photobooth facial feature tracking

I Know What You Want | *JavaScript, p5.js*

Feb 2022

- Chatbot that takes speech input, scrapes Google Shopping with SerpAPI, displays results

Multi-Threaded Online Store | *C, C++*

Oct 2021

- Store simulation with safe parallel updates to inventory from supplier/customer threads

Netflix Prize | *Java*

Apr 2021

- Program that sorts a dataset of 100,000 past Netflix movie ratings by user and movie
- Recommends movies by predicting a given user's rating of movies they haven't seen

SKILLS

Languages: Java, Python, C/C++, HTML/CSS, JavaScript

Technologies: MongoDB, Express, React, Node, Git, Figma, p5.js, A-Frame AR, Sass, Grunt