

David Liang

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EDUCATION

New York University, College of Arts and Science

Bachelor of Arts in Computer Science and Math

CAS Honors Scholar, Dean's List, Proud to be First (LEAD)

GPA: 3.544

New York, NY

May 2021

Study Abroad NYU Shanghai

Relevant Coursework: OS, AI, Large Scale Web Applications, Algorithms, Data Structures, Applied Internet Technology, Linear Algebra, Computer Architecture, Multivariable Calculus

SKILLS & INTERESTS

Coding: Python, Java, C, Django, Redis, Express, MongoDB, Javascript, Handlebars, HTML, CSS

Languages: English (Native), Cantonese (Native), Mandarin (Conversational)

Interests: Drawing, Screenplay, Slam Poetry, NLP, Computer Vision, Startups

PROJECTS

Music Quiz

Summer 2020

- Audio memory testing application used to study and recognize music from a user's playlist.
- Implemented **React** for user-interface components, **Express JS** for middleware, and **socket.io** for real-time multiuser functionality. Additionally, integrated **Spotify Web API** with **MongoDB** for music playback and playlist storage, and **YouTube iFrame API** for video playback.

Cook It!

Spring 2020

- Web Application that allows users to keep track of their ingredients and matches them to a database of recipes.
- Developed with **Express JS** as middleware with **Passport.js** for authentication. Integrated **Bootstrap** and **MongoDB** as a CSS framework and for data storage respectively.
- Implemented file read and **REST API** support for **CORS** access of recipes in JSON format.

Photo Storage System

Fall 2019

- Designed and developed a file storage system within a team using **Django** infrastructure for middleware and authentication, **gRPC** for remote **Redis** storage on **Google Cloud Platform**.
- Assisted in leading discussions during team meetings, produced design layouts for the application architecture, and facilitated the demo.
- Implemented Admin support for file blacklisting using an **MD5** hash, and a user/admin interface. Additionally, consolidated front-end, middleware, back-end components and bug-tested for the master branch.

WORK EXPERIENCE

Administrative Assistant, NYU Rory Meyers School of Nursing

September 2018 – January 2019

- General office aide including updating excel spreadsheets, filing, and scanning documents into the cloud.
- Working alongside supervisors to streamline the course evaluation processes, and detailed student profiles.
- Prepared the space and relevant papers for weekly meetings, exams, and courses.

Lab Assistant, NYU Landy Lab

September 2018 – January 2019

- Daily activities including data collection using **Python** and **R**, and research on relevant literature for weekly meetings.
- Worked alongside two graduate students to research in hemi-spatial neglect and spatial perception with regards to vision and hearing.

VOLUNTEER/LEADERSHIP EXPERIENCE

Marketing Executive Board Member, NYU Asian Heritage Month (AHM)

September 2018 – Present

- Appointed to design the marketing video, manage the Facebook and Instagram pages, and take pictures/record videos of the event for AHM's Fall Festival and Let's Talk.
- Worked alongside logistics and public relations to introduce event performers, and handled audience organization.

EXTRACURRICULARS

NYU CAS Student Council, Programming Committee

September 2018 – Present

LEAD, Proud to Be First (1st Generation College Student)

January 2017 – March 2017