

# HAN LU

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## EDUCATION

Fullstack Academy · July 2022 to Dec. 2022  
Certificate in Software Engineering

Burrell College of Osteopathic Medicine · July 2020 to Apr. 2022  
D.O. Medicine

New York University / College of Arts and Sciences · Sept. 2015 to May 2019  
B.A. Chemistry 2019

## EMPLOYMENT

### GigFinesse

Jr. Software Engineer · June 2022 to Current · New York, NY

- Working with a small team of three engineers in a music startup that streamlines the booking process between artists and venues
- Developing and releasing new features for the internal booking software including a new dark mode feature and design revamps
- Creating new customization modes for embeddable widgets for venue clients to allow further tailoring of the show calendar design on the venue's own website
- Developing a new reservation system for venues with free entrance using Python, Django and AWS S3

### mia NYDC

Chief Operational Officer/Co-Founder · May 2017 to Dec. 2019 · New York, NY

- Handled all event operations (concerts, pop-up shows, collection launch parties, collaborations, merchandise distribution), managed finances, and directed day-to-day operations (clothing shipment, retail store networking, production site negotiation, merchandise sales)
- Managed all company inventory/merchandise, constructed budget tables, created/recorded expense reports, and managed social media accounts
- Photographed and styled clothing models, used image-editing software, and created modern product webpages with integrated media

### Mount Sinai Hospital

Research Assistant · Aug. 2017 to Sept. 2018 · New York, NY

- Screened patients for health studies, collected medical data, and surveyed providers
- Assisted in clinical research projects to improve precision and quality of patient care
- Shadowed emergency department physician rounds and provided non-clinical patient assistance
- Liaison between healthcare research leads, ED attendings, and patient advocates

## PROJECTS

### Goji (Dog-walking App)

Nov. 2022 to Dec. 2022

- Designed modular React components to implement efficiently rendered, modernized user interfaces
- Collaborated with a cross-functional team to design optimal flow structure and state management for a consistent user experience
- Incorporated React, Redux, Sequelize, Google Maps API, Travis CI, JWT and Bcrypt, styled with Material UI

### RSVP App

Jan. 2023 to Feb. 2023

- Constructed a reservation app for client venues' non-registered events using Django and Python used with PostgreSQL
- Deployed with Render, incorporates AWS S3 to store user (admin) uploaded media files

### Personal Website

Feb. 2023 to Current

- Contains personal project prototypes to test new frameworks, technologies, and brainstorm future project ideas
- Uses Typescript, React, Next.js, HTML, and CSS, with styling done through Material UI and SASS/SCSS
- Incorporates HTML canvas and tsparticles library for visual effects, deployed using Vercel

### Portfolio Website

Feb. 2023 to Feb. 2023

- One-page static site using HTML, CSS, and Javascript, with libraries to style color scheme, animations, and incorporate a dark mode

### Smart Mirror

Feb. 2023 to Mar. 2023

- Designed and developed an Internet of Things (IoT) based Smart Mirror, integrating real-time data feeds while customizing personalized, interactive display
- Utilized Raspberry Pi 4 B for the project's embedded computing and established secure connectivity with local Wi-Fi networks
- Programmed the mirror interface using Python and JavaScript, incorporated APIs for weather, calendar, and news updates

## ACTIVITIES/VOLUNTEERING

### Neuroscience Interest Group (at Burrell College) · President

Mar. 2021 to 2022

- Liaison between neuroscience community, specialized neuro physicians (neuropathologists/neurosurgeons) and interested medical students
- Networked students with academic and clinically associated neurologist/neuroscience organizations for residency and career prospect insight

### Youth Medical Explorers (at Burrell College) · Co-Chair/Coordinator

May 2021 to 2022

- Introduced local high school students to different sectors of the healthcare community and medical roles
- Mentored high school students on basic medical principles (ie basic life and airway support, CPR, emergency response, medical device usage, EKG introduction)
- Directed Q&A sessions between physicians (ie OB-GYN, anesthesiologist) and interested high school students

### New York Cares · Volunteer

Aug. 2019 to Current · New York, NY

- Organized food pantries and served at soup kitchens for underserved sectors of the NYC community throughout the COVID pandemic
- Tutored public school children (from elementary to high school) in literature and math courses, facilitated artistic school projects in art and dance
- Assisted elderly adults with technological literacy, helped teach adult learners to build resumes and learn fundamental math concepts for job-searching

## SKILLS

**COMPUTER LANGUAGES:** Javascript, Python, HTML, CSS, BASIC, Typescript

**FRAMEWORKS/LIBRARIES:** Express.js, Next.js, React, Redux, Django, Chai, Jasmine, Mocha, Material UI, Socket.IO, Bcrypt, Sequelize

**DATABASE/TOOLING:** PostgreSQL, SQL, Firebase, Git, Node.js, Vercel, Webpack, Babel, Heroku, Docker, Travis CI, JSON Web Tokens, AWS, S3, Unity, Azure, JIRA, Figma

**SPOKEN LANGUAGES:** English, Chinese (Mandarin)