

HAN LU

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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)

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

Algorist
Junior UI Developer (Part Time) · Feb. 2023 to Current · Remote

- Engineering front-end components, leveraging React and React Native Elements libraries to build a mobile-first web app for property management companies
- Resolving application stories through troubleshooting, bug fixing, and debugging UI issues such as pagination and modal dialogues, enhancing overall application functionality and user experience via consistent revisions on Azure Cloud

GigFinesse
Junior Fullstack 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 to develop and release new features for the internal booking software, including a dark mode 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

- Created, maintained, and regularly updated company website, using Wordpress and Shopify to implement a functional, responsive e-commerce site using Javascript, jQuery, HTML, CSS and Bootstrap
- 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, acted as a liaison between healthcare research leads, ED Attending physicians, and patient advocates
- Shadowed emergency department physician rounds and provided non-clinical patient assistance

PROJECTS

Smart Mirror
Feb. 2023 to Mar. 2023

- Developed, created and maintained an Internet of Things (IoT) based Smart Mirror using Raspberry Pi 4 B, integrating real-time data feeds while customizing personalized, interactive display using Python and JavaScript, incorporated APIs for weather, calendar, and news updates

Goji (Dog Services Networking App)
Nov. 2022 to Dec. 2022

- Designed modular React components to incorporate modern UIs, formulated optimal flow structure and state management for a consistent user experience using React, Redux, Sequelize, Google Maps API, JWT and Bcrypt, and styled with MUI
- (Individual role): Spearheaded all front-end components, created modals, designed both walker/owner service lists, single service pages, review pages, landing pages and sign-up/login page, stylesheets, and ensured proper connectivity between frontend and data layer

Portfolio Website
Feb. 2023 to Current

- Engineered a one-page static site using Javascript, CSS, and HTML with animation and styling libraries to create a responsive portfolio page with
- Incorporated messaging functionality and cross-platform viewport accessibility, and deployed using Github pages

ACTIVITIES

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

- Directed Q&A sessions between physicians (ie OB-GYN, anesthesiologist) and interested high school students, 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)

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, including using Apple, Linux, and Windows products, navigating web addresses and troubleshooting computer technical issues