**Ian HUANG**

yichenh8@Illinois.edu｜linkedin｜217-200-2266

# **EDUCATION**

# **University of Illinois, Champaign-Urbana** *IL, US*

*MS in Information Science 2021.8 – 2023.5*

***GPA****: 3.7/4.0*

***Selected Courses****: Web Content Strategy & Management, Narrative Game & Simulations, System Analysis & Design, Database System, Network Systems*

# **University of Wisconsin–Eau Claire/Changshu Technology Institution** *WI, US/Changshu, CN*

*BBA in Business Finance： 2017.9 – 2021.6*

# **TECHSTACK**

**Languages** JavaScript, HTML, CSS, Swift, Python, XML, C, Java

**Frameworks&Lib** React, Angular, Node.js, MongoDB, Spring Boot, jQuery, Mongoose, Vue.js, Bootstrap, Eclipse, Django, Express, AWS Lambda, Postman

# **WORK**

**Marlabs**

**Nkomor Healthcare Inc.**

*Frontend Developer 2024.1 - present Remote, IL*

* Construct and sustain the lab test result visualizations of the user interface of Nkomor website with React
* Integrated various payment gateway SDKs and APIs into the frontend of the Nkomor Healthcare website with incorporating third-party payment buttons and credit-card-forms
* Utilized AWS Services including IAM and Cognito for patients’ authentication and authorizations
* Implemented a real-time notification system using Amazon SNS, SQS, and Push Notifications from React Library to keep timely updates on medicine refill windows.
* Employed E2E testing technique and JSUnit tests to maintain code quality and rapid testing availability.

**Global Resource &Technology Development Inc.** *2022.7 – 2022.10* *Frontend Intern Remote, NY*

**Hoelzel (Shanghai) Gluing Technology Co., Ltd**  *2021.2-2021.8*

*Frontend Intern* *Shanghai, CN*

* Accomplished conditional execution based off user response via customizing debounce function and React.lazy function to optimize search page performance
* Utilized Redux-Thunk as middleware to implement dynamic functionality in the application via integrating asynchronous job processing to reduce latency in page response
* Implemented secure authentication and authorization via JSON Web Tokens(JWT) and Cognito for a robust Single-On experience.

# **PROJECTS**

**CartGo** *2023.9 – Present*

（React, Spring Boot, MySQL）

* Built and maintained a BBS forum web application’s user authentication and account creation pages with REST APIs and made pages responsive to fit in different screen sizes
* Utilized Redux to develop the shared shopping cart components across distributed nodes and utilized hooks & react-context to connect the nodes and centralized database
* Employed Zustand for global state management and sharing across components for fostering a more unified application interface.
* Built Java-based backend with Spring Boot and utilized JDBC to implement database connectivity

**Medium-Communication of Movie Searching App** *2022.9 – 2023.2*

（Python, Flask）

* Built TCP connections with multithreaded clients and retrieved database via IMDb API
* Utilized Flask to create end-point to better the API communication
* Enhanced the real-time data exchange via Websocket libraries

<https://www.youtube.com/watch?v=xT7yDFPZcJY&list=PLRdSp8jtJxBqG3KNQPKKB-0Z2hh9omoDo>

<https://courses.engr.illinois.edu/cs225/fa2017/>