

# YUQI HU

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## EDUCATION

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### Northeastern University, Silicon Valley

*Align M.S. in Computer Science*

📅 Jan 2023 – Expected June 2025

Overall GPA: 4.0/4.0

📖 Courses: Algorithms, Full-Stack Web Development, Mobile Application Development, Database Management Systems

### University of California, San Diego

*B.S. in Clinical Psychology, minor in General Biology*

📅 Sept 2018 – June 2021

Overall GPA: 3.9/4.0

🏆 Honors: *Magna Cum Laude*, Phi Beta Kappa Honors Society, Provost Honors

## TECHNICAL KNOWLEDGE

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Languages: Python, Golang, C/C++, Java, JavaScript, Swift, R, SQL

Web technologies: HTML/CSS, Bootstrap, jQuery, React, Django, Node+Express, Docker, Kubernetes, AWS

Databases: MySQL, MongoDB

## EXPERIENCE

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### Greenstand

*Engineering Volunteer*

📅 Nov 2023 – Present

📍 Remote

- Actively contributed to the organization's open source projects, including an extension to the Digital Herbarium, which enables species to be added by app users immediately after the image of the tree is captured.

### Khoury College of Computer Science, Northeastern University

*Teaching Assistant*

📅 Sep 2023 – Dec 2023

📍 San Jose, CA

- Provided support to professor and students of CS 5001 - Intensive Foundations of Computer Science, by fulfilling duties including grading, holding office hours, and performing various administrative tasks.

## PROJECTS

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### SteadySobriety | *React, CSS, Bootstrap, Node.js, Express, MongoDB*

- Developed a single-page application where users can record drinking history, track sober time, and join leaderboard after registering or logging in with credentials.
- Designed and built a responsive and accessible user interface using **React with hooks** and **CSS/Bootstrap**
- Implemented backend APIs with **Node.js** and **Express**, using **MongoDB** to support CRUD operations on users and drinking histories.

### SimpleBank | *Golang, SQL, Gin, JWT, Docker, Kubernetes, AWS*

- Developed a backend service for a bank management system, allowing users to create and manage accounts, record all balance changes and make transfers to between accounts
- Designed **SQL database** schemas, built RESTful API endpoints with **Golang and Gin**, and implemented **JWT-based authentication** and authorization mechanisms
- Utilized **Docker** to containerize the SimpleBank application, employed **Kubernetes** as the container orchestration platform, and deployed with **AWS**

### SmokeFreeHero | *Swift, Firebase*

- Developed an iOS application MyDietAssistant, which help users keep track of their smoke-free time and benefits, with **Swift**.
- Integrated with **Firebase Authentication** and data storage capabilities using **Firestore Database** and **Firebase Storage**, allowing users to persist their diet and calorie tracking data across app sessions.
- Employed iOS platform capabilities, such as pushing notifications and local notifications, to provide timely reminders and alerts to users

**Other Projects:** MyDietAssistant, MentalHealthMonitor, ClimberVerse