

Yuming Huang

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EDUCATION

University of Wisconsin - Madison

Bachelor of Science in Computer Science

2021 - 2024.5

GPA:3.9/4

University of California, Los Angeles

Master of Engineering in Artificial Intelligence

2024 - 2026(expected)

SKILLS

- **Programming:** Proficient in Java. Fluent in Javascript/HTML5/CSS, C/C++. Familiar with Python, R.
- **Tools/Framework:** React, React Native, Spring Boot, ExpressJS, Nextjs, Tailwind CSS, Three JS, Blender, MySQL, Redis, Makefile, Git, Docker, Hadoop, Spark, Kafka.
- **AI:** Good Understanding of ML especially in CNN. Have experience of using Pytorch/Tensorflow.

EXPERIENCE

Peer Mentor, Intro to Computer Science CS111, Boston University

Jan 2021

- Helping students answer homework and project questions on the forum, assisting teaching assistants in grading students' project assignments.

Platform Support Intern, China Unicom, Chongqing Branch

July 2023

- Assisting mentors in completing assigned tasks, categorizing and filtering the Chongqing China Unicom phone number database. Using regular expressions to write filtering functions to select vanity phone numbers. Help to develop

PROJECTS

Airbnb-like Online Reservation Platform

- Developed a fully functional Airbnb-like platform utilizing **Next.js** App Router for streamlined client-side routing. Employed modern web technologies including **React**, **Tailwind CSS**, **Prisma**, **MongoDB**, and **NextAuth** to build a robust full-stack application.

Alumni Connect (Full Stack)

- Back end: **SpringBoot+MyBatis**. Front End: **React+Bootstrap**. Database: **MySQL**. Implemented **JWT** for user authentication and **reCAPTCHA** for preventing malicious attack.
- Implemented login and registration, as well as functionalities for adding, deleting, querying, and modifying user information. Display past alumni's graduation schools, majors, work fields, and contact information. Also, provide a chat forum for communication.

Linux Shell Implementation

- This project is implemented using C to simulate the Shell functionality of the Linux system, allowing users to input commands via the command line and execute them. It re-implements **background** process management, **redirection**, and **pipeline** commands in the Shell.

3D Web Product Configurator

- A commercial project that designs for companies to visualize their products to users and provide customizable features which allow users to choose. A quote will generate after users finish their customization. All the products are modeled using **Blender**, displayed using **Three.js**.

PUBLICATION

Multiple SOTA Convolutional Neural Networks for Facial Expression Recognition

CONF-SEML 2023, Yuming Huang

- Investigate whether SOTA models trained on ImageNet can perform exceptionally well in FER tasks. The models are categorized into three groups based on different weight initialization strategies and then trained and evaluated on the FER-2013 dataset.