

XUANZHE HAN

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EDUCATION

Master of Science in Computer Science

2024 - present

University of California, Los Angeles

Bachelor of Science in Computer Science

2020 - 2024

University of California, Los Angeles

SKILLS

Proficient Languages

C/C++, Python, Java, JavaScript, HTML, CSS

Familiar Languages

TypeScript, Scheme/LISP, OCaml, SQL

Frameworks and Tools

React, Git, PyTorch, Flask, MongoDB, Web Storage API

Concepts

NLP and computer vision (RNN, transformers, GAN, diffusion, etc.)

web protocols and technologies (Web Assembly, progressive web apps)

compiler fundamentals (LR/LL parsing, type checking, register allocation)

database fundamentals (relational, document, graph, object-oriented, etc.)

EXPERIENCE

Web Development Intern

October 2023-Jan 2024

Tap Series, LLC.

Built web tools for administration and assisted other programmers in updating designed web apps. Worked with React, Flask, and Twilio Sendgrid REST API.

Facial Action Unit Detection Research Intern

August-September 2023

Huazhong Science and Technology University.

Assisted with research on facial action unit detection for automated facial expression recognition.

RELATED COURSEWORK

CS 111 (Operating Systems), CS 180 (Algorithm and Complexity), CS 131 (Design and Use of Programming Languages), CS 130 (Software Engineering), CS 118 (Computer Network Fundamentals), CS M151B (Computer Systems Architecture), CS 133 (Parallel and Distributed Computing), CS 143 (Data Management Systems), CS 162 (Natural Language Processing), CS188 (Deep Learning for Computer Vision), CS 144 (Web Applications), CS 132 (Compiler Construction)

EXTRACURRICULAR ACTIVITIES

Webmaster, biomedical and mechanical keyboard team lead for 3D4E

2022-2024

Maintained the 3D printing club's website. 3d4eatucla.github.io

Led design teams to create projects like oximeters and macro pads.

ACM Studio Member

2021-2022

Created several Unity games with other members

PROJECTS

SlangLingo

A LLM translation React Web App to handle tricky slang translations. github.com/HiccupHan/SlangLingo

ResuMatch

A Chrome extension that allows users to upload their resumes and match them with LinkedIn postings to give them a compatibility score and other relevant information about the job posting. github.com/HiccupHan/ResuMatch

Other projects include Unity games, global chat rooms, etc. Check GitHub for repositories github.com/HiccupHan