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