

ISABEL SIEH

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EDUCATION

Stanford University

Stanford, CA

M.S. and B.S. in Computer Science (AI concentration)

September 2021 – June 2026

Relevant Courses: Human-Centered LLMs, NLP with Deep Learning, Self-Improving AI Agents, Robot Perception, Deep Learning for Computer Vision, Data Management and Systems, Design and Analysis of Algorithms, Web Applications, OS Principles, Intro to Computer Graphics, Decision-Making Under Uncertainty, Causality and Data Science, Trust and Safety Engineering, Principled Entrepreneurial Decisions, Start-Up to Mature Company

Teaching Assistant: Taught sections, graded assignments and exams, and held office hours for:

CS 161 (Design and Analysis of Algorithms), CS 106 (Intro to Computer Science)

WORK EXPERIENCE

Stanford AI Lab

Stanford, CA

NLP Research Engineer at Dan Jurafsky's Lab, Advised by PhD Candidate Myra Cheng

September 2025 – Present

- Researching social impact of LLMs, like sycophancy across multi-turn conversations, on users
- Developing evaluations and guardrails to detect harmful user outcomes and steer models toward user well-being

ML and Robotics Researcher at IRIS Lab — Published in [CoRL-24](#) with DeepMind and UCSD October 2023 – February 2024

- Compared simulation versus real-world as evaluation methods for vision-based robotic manipulation policies

Waymo

Mountain View, CA

Software Engineer Intern

July - September 2025

- Built state management infrastructure enabling user action tracking and version history in Waymo's web visualization platform
- Developed a context-aware AI agent for Waymo's web visualization platform with Gemini

The New York Times — [nytimes.com/by/isabel-sieh](#)

New York, NY

Software Engineer, Interactive News Technology Team and AI Initiatives

June - December 2024

- Prototyped AI reporter tools including multimodal visual search, transcription, and topic-discovery
- Rapidly built robust, fault-tolerant JSON data feeds of live US, EU and UK election results for articles with millions of views
- Contributed full-stack development for Olympics results and interactive assets, garnering 1.6m+ views and homepage features

Stanford Clayman Institute for Gender Research

Stanford, CA

Natural Language Processing (NLP) Researcher — Susan Heck Scholar

June 2023 – August 2023

- Computed multilingual sentence embeddings for unsupervised topic clustering analysis on 70k Facebook texts in Python
- Developed a web app in HTML and JavaScript featuring 10 NLP data visualizations: [philippine-presstitutes.github.io](#)

Stanford Human-Centered Artificial Intelligence — [craft.stanford.edu](#)

Stanford, CA

Lead Full Stack Developer and Researcher — Published in [EAAI-24](#) and [ISLS-23](#)

February 2022 – June 2023

- Built full-stack web app teaching AI literacy including a multiplayer game with React, Google OAuth, D3.js, and Firebase
- Implemented in curriculum taught in classrooms and co-designed with teachers across U.S. Title I schools

Proof of Learn

New York, NY

Software Engineering and Product Intern

June 2022 – August 2022

- Coded the REST API with Typescript and implemented a MongoDB and PostgreSQL database for the game world
- Pitched product demo 14 times to 15k+ people and gained 1k+ users and lectured an online blockchain course for 5k+ students

The Coding School

Manila, Philippines

Startup Founder

October 2017 – Present

- Created an educational platform connecting 3000+ students across 10+ countries with 100+ teachers through 40+ STEM courses

SELECTED PROJECTS AND COURSE RESEARCH

Camp Kaleidoscope — Special Events Head

September 2024 - June 2025

- Led fundraising of \$60,000 (double from previous years) to send 120 children with a parent cancer experience to camp for free

NatuRel: Advancing Relational Understanding in Vision-Language Models — CS 224N Poster, PDF

March 2024

- Created 100k image-text dataset and fine-tuned VLMs, achieving state-of-the-art visio-linguistic compositional reasoning

Campus Crimewatch — [campus-crime-watch.github.io/](#)

June 2023

- Geo-coded and ran geo-spatial analysis on campus crime data resulting in a web-app which included an interactive map

SKILLS AND AWARDS

Awards : Columbia-Stanford Brown Institute Grant Awardee for NLP Entity Extraction, Citadel Women's Datathon Invitee

Languages: Python, C/C++, Typescript, Javascript, Java, HTML/CSS **Libraries:** D3.js, React, OpenCV, HuggingFace, Plotly

Frameworks and Software: PyTorch, Postgres, Node.js, MongoDB, SQL, GoogleAPI, GCP, Git, Blender, Figma, Svelte, Angular