

# 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](https://www.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](https://philippine-presstitutes.github.io)

### Stanford Human-Centered Artificial Intelligence — [craft.stanford.edu](https://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/](https://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