

SARAH HUANG

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EDUCATION

Software Engineering, Western University

September 2021 - April 2025

- Western Scholarship of Distinction (92%+ Entrance Scholarship)
- Advanced Entry Opportunity to the Ivey School of Business HBA program (2023)
- Dean's Honour List, 2023 (80%+ average)

RELEVANT COURSES: Algorithms and Data Structures, Scripting Language Fundamentals, Software Construction, Software Design

SKILLS

- SOFTWARE: Proficient in **Java, Python, JavaScript, HTML/CSS**; Intermediate proficiency in **TypeScript**
- FRAMEWORKS: Proficient in **Git, Java FX, SQL, React, Node.js, npm**
- DESIGN: Proficient in **Figma, Canva & Adobe Creative Suite**
- SPOKEN LANGUAGES: Native proficiency in **English & Mandarin**, Intermediate proficiency in **French**
- MICROSOFT OFFICE: Proficient in **Word, Excel, Outlook, Powerpoint, Teams**

WORK EXPERIENCE

Code Prompt Engineer, Cohere

May 2023 - present

- Scraped, reformatted, and trained Cohere's RAG model with over 600,000 emails with **Python** and **Regex**
- Lead the planning and execution of the code review pipeline to improve the chat model's code output quality
- Developed the front end and implemented backed data fetching using **React.js** and **Typescript** in a full-stack web application designed for accepting and rejecting annotations; completed in one week and pitched to the CTO of Cohere
- Collaborated in a team to ideate topics and write a Code Annotation Style Guide to ensure that all Data Quality Specialists company-wide annotate code consistently and up to standard

Software Engineer, MLH Fellowship

June 2022 - present

- Contributed to open-source projects of various companies using **Python, Javascript, HTML/CSS** and **Typescript**
- Collaborated in a pod of 10 SWE fellows to share and develop insight on project blockers and map out project MVPs and task priorities to be delegated amongst the team

PROJECTS

MoodAF - MetHacks, <https://github.com/sarahpei Huang/MoodAF>

May 2023

- Developed a web application that analyzes emotions in journal entries using **Django** and **HTML/CSS**
- Trained large language models to incorporate sentiment analysis using **Cohere API**'s classify and generate models
- Implemented data fetching from the APIs onto the web application's interface as the primary frontend developer

Baad Day - MapleHacks, <https://github.com/sarahpei Huang/Baad-Day>

March 2023

- Programmed an interactive game to help youth identify ER-level symptoms to reduce hospital wait times
- Developed the front end with **HTML, CSS, and JavaScript** to create a user interface appealing to users aged 8-12
- Applied problem-solving skills to debug 4 levels targeting: sleep, eating habits, stress management, and night routines

20 Past 4 - ElleHacks 2023, <https://github.com/sarahpei Huang/20-Past-4>

February

2023

- Developed an interactive game that rates the user responses to social situations involving marijuana with **Python**
- Programmed the front end importing **Pygame** and integrated the **Cohere API** with the visuals and all 3 levels of the game
- Won Organizer's Choice: Top 10 Hacks and Best use of Cohere API 3rd place

WeRoll - Shehacks+ 7, <https://github.com/sarah888/WeRoll>

January 2023

- Targeted at seniors looking for rideshares, letting users join existing rides to build community and reduce emissions
- Led a team to develop a booking system, including coding and building a user interface with **HTML, CSS, and Javascript**
- Successfully pitched the final product to senior stakeholders at General Motors

Learning In Colour - RBC Design Thinking Program, <https://youtu.be/FMHS3Yp4kG8>

October 2022 - November 2022

- Developed a web application for racialized students to interact with BIPOC professionals through forums and blogs
- Prototyped application interface for student users and club administrators on **Figma**
- Created a slide deck on **Microsoft PowerPoint** to pitch the final product to Western faculty deans and RBC executives

EXTRACURRICULAR EXPERIENCES

Logistics Organizer, Hack Western

March 2023 - present

- Collaborated in a team to organize food, events, and sponsorships for 400 hackers at one of Canada's largest hackathons

Varsity Ultimate Athlete, Western Women's Ultimate Team

September 2022 - present

- Balanced 30 hours of weekly practice/tournaments with 31 hours of weekly lectures and labs to upkeep an 82% average