SARAH HUANG

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EDUCATION

Software Engineering & Business, Western University & Ivey Business School   September 2021 - April 2025
- Linamar Scholarship for Women in Engineering & Business ($35,500)
- Western Scholarship of Distinction ($3,500; 92%+ Entrance Scholarship)

SKILLS

- <u>SOFTWARE</u>: Proficient in ***Java, Python, JavaScript, HTML/CSS;*** Intermediate proficiency in ***TypeScript, Golang***
- <u>FRAMEWORKS:</u> Proficient in ***Git, Java FX, SQL, React, Node.js, npm, pnpm***
- <u>DESIGN:</u> Proficient with ***Figma, Canva,*** & ***Adobe Creative Suite***
- <u>PRODUCT:</u> Proficient with ***Linear, Agile,*** & ***Looker***
- <u>SPOKEN LANGUAGES</u>: Native proficiency in ***English*** & ***Mandarin***, Intermediate proficiency in ***French***

WORK EXPERIENCE

Product Manager, Cohere   Aug 2023 - present
- Served as a liaison between over **200 Data Quality Specialists** and **Cohere's engineering team** to finetune the production of a convenient internal data annotation platform for Data Quality Specialists and their managers
- Spearheaded a **sprint to fulfill Oracle's P0 request** by synthetically generating over 1000 prompts and relaying instructions to over 30 Copywriters, resulting in a timely completion to satisfy all stakeholders
- Collaborated in a team of 5 to author a Code Annotation Style Guide to ensure that external vendors like **Scale AI** and **Invisible Technologies** provide quality data and code annotations to improve chat model training data
- Inaugurated a Vendor Evaluation Pipeline to **identify low-performing data vendor annotators** and **communicate quality discrepancies** with vendors to ensure that incoming data batches are up to data quality standards

Production Engineering Fellow, Meta - MLH Fellowship   June 2022 - present
- Developed and deployed an open-source portfolio website with Python, Flask, Jinja, MySQL, Nginx, Docker and unittest to ensure easy and **flexible redeployment** of code for future collaborators
- Automated testing and deployment workflows using CI/CD, resulting in an **improved troubleshooting process**
- Set up system and container monitoring, alerting, and visualization using Prometheus and Grafana to **optimize computer processing and memory usage** for repository collaborators
- Completed 12 weeks of curriculum-based learning on core Production Engineering topics alongside Meta Engineers

NLP Engineer, Cohere   May 2023 - Aug 2023
- Managed **27 engineers** to establish a Code Review Pipeline and improved its efficiency by developing training fold and linting scripts for 1500h worth of conversations and mitigating blockers with data vendors, yielding a **6% model improvement**
- Scraped and parsed over **600,000 emails** using Python to train Cohere's Retrieval Augmented Generation model for application at corporate clients through Cohere's chatbot assistant for enterprises, Coral
- Developed the **front end** and implemented **back end data fetching** using React.js and Typescript in an internal full-stack application designed to expedite the data quality sifting process; **completed in one week** and pitched to Cohere's CTO
- Learned Golang onsite to troubleshoot request errors in Cohere's APIs; efforts resulted in relevant data extraction for the Platforms Team to further **optimize popular endpoints** like Co.Generate and Co.Summarize

PROJECTS

MoodAF - MetHacks, https://github.com/sarahpeihuang/MoodAF   May 2023
- Developed a web application for distressed youth to analyze emotions in journal entries using **Django** & **HTML/CSS**
- Trained large language models to incorporate sentiment analysis using **Cohere API**'s Co.Classify and Co.Generate models
- Implemented data fetching from API calls onto the web application's interface as the lead frontend developer

20 Past 4 - ElleHacks 2023, https://github.com/sarahpeihuang/20-Past-4   February 2023
- Developed an interactive game rating the user responses to social situations involving marijuana with **Python** & **Cohere API**
- Solo designed and programmed the game while analyzing user feedback to refine product appeal toward younger audiences
- Won Organizer's Choice: Top 10 Hacks and Best Use of Cohere API 3rd place

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 an application interface on **Figma,** adding functions based on common student and club administrator use cases
- Pitched the final product to RBC executives, the Western Vice-President of Equity, Diversity and Inclusion, and faculty deans

EXTRACURRICULAR EXPERIENCES

Logistics Organizer, Hack Western   March 2023 - present
- Collaborated in a team of 26 to organize food, events, and sponsorships for 400 hackers at one of Canada's oldest hackathons

Varsity 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