Annie Cai

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Skills

Languages: Typescript, Javascript, C++/C, Python, Java, HTML/CSS, SQL
Technologies: Angular, Spring Boot, Maven, React, Next.js, Express.js, Node.js, Flask
Tools: Git, Azure/Azure DevOps, MySQL, PostgreSQL, Prisma, Postman, Docker, Jira, Figma

Work Experience

🔗 Home Trust Company
Toronto, ON
SOFTWARE DEVELOPER
Jan. 2023 - Apr. 2023

- Spearheaded the implementation of SEO optimization tactics, including meta tags, header tags, and content optimization, resulting in a **40%** increase in the Oaken Financial website search rankings
- Contributed to a new summary widget for the Home Digital app using **Angular**, offering users a centralized view of their banking data, positively impacting **1000+** clients
- Architected end-to-end ETL pipeline to transfer **over a million rows** of data from **Azure Blob Storage** to **Azure SQL**
- Created a CD pipeline script in **Azure DevOps** to streamline the deployment of new Home Digital features, reducing manual deployment efforts by **50%**
- Solo-authored a comprehensive software documentation for LOFT, including user workflows, business models, technical specifications, and API architectures

🔗 EasyMedia Inc.
Toronto, ON
WEB DEVELOPER
Dec. 2021 - Jun. 2022

- Designed and developed new web applications from inception to finish for 4 non-profit organizations, with an **100%** satisfaction rate
- Led peer-programming initiatives and organized development using a project road map based on an **agile** framework
- Utilized WordPress plugins and themes to enhance website functionality and user experience and integrated third-party APIs and services

Community & Leadership

🔗 UW Tech+
Waterloo, ON
FULLSTACK DEVELOPER
Jan. 2023 - Present

- Participated in the continuous development of the UW Tech+ website and mentor-mentee matching portal, used by **100+ students**
- Improved **code reusability** by working on a centralized UI component library
- Designed and developed **6+ RESTful APIs** using **Python Flask** to facilitate seamless data exchange

🔗 Superposition Toronto
Toronto, ON
SENIOR DIRECTOR OF COMMUNITY ENGAGEMENT
Aug. 2020 - Aug. 2022

- Lead student team of **30+** members to empower and bring girls into STEM, reaching over **33k individuals** across 80 countries
- Planned The SuperPOSITRON, an international and all female hackathon, with **$62k in prizes** and 24 workshops and talks

Projects

🔗 Lofi Cafe Management System
Retail management system (RMS) that handles basic cafe operations efficiently. Features a **JWT authentication system**, **mailing system**, and **CRUD operations** for managing categories, products, bills, and staff. Created using Angular, Spring, MySQL and packaged using Docker.

🔗 Sorting Algorithm Visualizer
Illustrates sorting algorithms such as bubble sort, insertion sort, selection sort, merge sort, and quick sort. Created using PyGame and Python.

🔗 sign:here
Natural language chat-bot that allows people to submit legal documents as context and ask any questions regarding the documents. Utilizes **semantic search**, **vector similarity search**, and **context injection** to provide users with the highest accuracy response. Created using React, Python, Flask, co:here, and Qdrant.

🔗 write:here
App designed for people who face challenges sending an email by scanning an image file for handwritten text and parsing it into digital text using **computer vision**. Submitted to Hackville 2023 and won **Most Creative Use of Github**. Created using React, Next.js, Google Vision API and co:here.

Education

University of Waterloo
Waterloo, ON
B.ASc IN SYSTEMS DESIGN ENGINEERING - CAV: 94% GPA: 3.98/4.00
2022 - 2027

- *Involvement*: UW Tech+, UW Product Management Club, Women in Engineering
- *Awards*: Faculty of Engineering Entrance Scholarship ($8000), President's Distinction ($2000)
- *Relevant courses*: Digital Computation (C++), Introduction to Design, Computer Graphics (Solidworks)