Annie Cai

Developer · Designer

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Skills

Languages: Typescript/Javascript, C++/C, Python, Java, HTML/CSS, SQL
Technologies: Angular, Spring Boot, Maven, .NET, React, Next.js, Node.js, Azure SQL
Tools: Git, PostgreSQL, Azure DevOPS, AWS S3, Docker, Jira, Figma, CAD

Work Experience

Home Trust Company
Toronto, ON
SOFTWARE DEVELOPER — *Jan. 2023 - Present*

- Updated the GIC rates on the Oaken Financial website
- Monitored and reviewed CI stats to optmize **CI/CD builds** and minimize costs
- Maintained **scalable** digital banking applications using **Angular**, resulting in a **seamless user experience for over 500 clients**
- Streamlined data collection through **Azure SQL**, including optimizing database queries and indexes to enhance performance and minimize downtime
- Utilized **scrum agile methodologies** and collaborated with cross-functional teams to gather requirements and translate them into technical specifications, resulting in an 100% on-time delivery rate

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 a **95%** satisfaction rate
- Led peer-programming initiatives, and organised development using a project road map based on a **agile** framework
- Utilized WordPress plugins and themes to **enhance website functionality and user experience** and integrated third-party APIs and services such as Google Maps, Stripe, and PayPal

Community & Leadership

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

- Participated in the continuous improvement of website development processes, including adopting new technologies and tools, and contributed to the overall success of the UW Tech+ website, resulting in a 20% increase in user satisfaction
- Spearheaded feature implementation timelines and improved **code reusability** by working on a centralized UI component library
- Designed and developed **RESTful APIs** using **Python Flask** to facilitate seamless data exchange between the front-end and back-end systems

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

- Managed and delegated tasks to the Community Engagement Department and moderated a Discord Community Server with over **500 members**
- Increased efficiency of the event sign-up and scheduling process by **200%** by creating functional Excel spreadsheets
- Planned The SuperPOSITRON, an international and all female hackathon, with **$62k in prizes** and 24 workshops and talks
- Reached over **33k individuals** across 80 countries

Projects

Cafe Management System (Github)
Lofi Cafe Management System is a 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, and mySQL.

Sorting Algorithm Visualizer (Github)
Application that illustrates sorting algorithms such as bubble sort, insertion sort, selection sort, merge sort, and quick sort. Created using PyGame and Python.

write:here (Github)
write:here is an app designed for people who face challenges sending an email. write:here scans an image file for handwritten text, parses it into digital text using AI-powered technology, and sends it as an email. Submitted to Hackville 2023 and won **Most Creative Use of Github**. Created using React, Next.js, Google Vision API and co:here NLP.

Cryptocurrency Checker (Github
Fetches the latest crypto currency data in CAD/USD, including price, 24h change, and market cap. Established a Chart.js and Cloud Firestore based dataflow to allow for **dynamic server-driven content updates**. Created using Angular and Coin Gecko API.

Education

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

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