

Chandler Xie

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EDUCATION

University of Western Ontario

Sep 2022 - Apr 2027

Honours Specialization in Computer Science

- Relevant Courses: Data Structures & Algorithms, Operating System, Databases, Compiler Design, Discrete Math
- Clubs: Computer Science Undergraduate Society, Western AI, Western Developers Society, Volleyball Intramurals

EXPERIENCE

Wealthsimple

Jan 2027 - Apr 2027

Software Engineer Intern

Toronto, ON

- Incoming Software Engineer Intern on the Money Movement / E-transfer Team

Meta & Major League Hacking

Jun 2026 - Sep 2026

Production Engineering Fellow

Remote

- Completed a 12-week structured curriculum-based program covering core **Production Engineering** topics, supplemented with events and workshops hosted by industry experts
- Created an open-source personal portfolio website template using **Python**, **Flask**, **Jinja**, **MySQL**, and **Nginx**, with automated testing via **unittest**
- Automated testing and deployment workflows using **CI/CD**
- Set up system and container monitoring, alerting, and visualization using **Prometheus** and **Grafana**

Toronto Dominion Bank (TD)

May 2026 - Aug 2026

Software Engineer Intern

Toronto, ON

- Spearheaded the development of "Phoenix", a full-stack internal agentic marketplace utilizing **React**, **FastAPI**, **PostgreSQL**, winning the TD Enablement Platform Innovation Challenge
- Engineered an internal observability dashboard utilizing **Python** and **FastAPI** to monitor real-time AI token consumption, implementing custom logic to flag inefficient requests and reduce total wasted tokens by **83%**
- Awarded TD's "Above and Beyond" Award (**1 of 14 interns selected**), recognized by VPs and management for exceptional contribution

Bank of Montreal (BMO)

Sep 2025 - April 2026

Software Engineer Intern

Toronto, ON

- Shipped **6** customer-facing email/SMS notification templates for BMO US clients using **Node.js** and **SoapUI**
- Automated deployment and payload validation of email/sms alerting workflows using **AWS Lambda**, **SQS**, **EventBridge**, and **DynamoDB**, reducing integration verification from **5 minutes** to **5 seconds**
- Implemented GCM/CBC crypto encryption in a **AWS Lambda** microservice, processing over **1M+** requests/day

Roche

Jan 2025 - Aug 2025

Software Engineer Intern

Mississauga, ON

- Spearheaded development of a real-time dynamic distribution list using **Google Cloud** tools and **Flask**, reducing **3 hours/week** of manual work for **3,000+** employees
- Built modular **Vue** components and integrated **FastAPI** endpoints serving ML data from **AWS S3**, enabling scalable full-stack functionality and containerizing the app using **Docker**
- Built and tested **10+** ServiceNow API integrations using **JavaScript** and **Postman**, automating **3** workflows

PROJECTS

[learnchinese](#) | *Rust, WebAssembly (Wasm), JavaScript, Chrome Manifest V3, NLP* | [Github](#)

- Built a Chrome extension that helps users learn to read Chinese by overlaying Pinyin on text, using **Rust**-based **NLP** for context-aware translation and **WebAssembly** for native-speed performance with **50+** users on launch

SKILLS

Languages: JavaScript, TypeScript, Python, Rust, Solidity, SQL

Frameworks & Libraries: Node.js, Next.js, React, FastAPI, Flask, WebAssembly (Wasm)

Cloud & DevOps: AWS, Google Cloud Platform, Docker, Git

Tools & Testing: SoapUI, Postman, Hardhat, MetaMask, ServiceNow, BeautifulSoup, Webpack (Chrome Manifest V3)