

STANLEY CAO

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Education

Western University

expected, October 2025

Honours Specialization in Computer Science

London, Ontario

- **Coursework:** Data Structures & Algorithms, Operating Systems, Systems Programming, Software Engineering, Object-Oriented Design, Computer Architecture.

Experience

Western University - Department of Earth Sciences

May 2025 – August 2025

Software Engineer Intern

London, ON, Canada

- Designed and developed responsive landing and login pages using Angular, TypeScript, and PostgreSQL, improving accessibility and performance across devices.
- Implemented a reusable Angular image carousel component integrated with a Heroku-hosted PostgreSQL database, enabling dynamic content display.
- Collaborated with lead developer to deliver polished, user-centered web pages aligned with accessibility and performance standards.

Wouessi Inc

February 2025 – April 2025

Software Engineer Intern

Toronto, ON, Canada

- Built and standardized reusable React components (buttons, typography, and layout elements), enhancing design consistency and accelerating feature development.
- Developed and optimized dynamic, filterable data tables in React.js and CSS Modules, improving data visualization speed and interactivity by 25%.
- Performed front-end testing, debugging, and code reviews, resolving UI issues and improving cross-browser compatibility before stakeholder demos.

Johnson & Johnson

May 2024 – August 2024

Data Analyst Intern

Toronto, ON, Canada

- Automated Fair Market Value Tableau dashboards, improving data refresh efficiency and supporting real-time compliance analytics.
- Designed and trained an AI image classification model with YOLOv8 in Python, automating receipt and sign-in form detection and reducing manual review time by 40%.
- Enhanced compliance data categorization processes, improving tracking and enforcement accuracy for healthcare professional interactions.

Prabbis Consulting

March 2024– May 2024

Software Engineer Intern

Halifax, NS, Canada

- Migrated Proen AI's core pages from Laravel to Next.js, improving performance, scalability, and maintainability while delivering responsive, accessible web experiences using modern React/Next.js best practices.
- Collaborated within an Agile team through code reviews, sprint planning, and daily stand-ups to ensure timely, high-quality delivery of frontend features.

Projects

RecipeHub - Personal Recipe Management | *Next.js, TypeScript, GraphQL, Prisma, PostgreSQL*

- Built a full-stack recipe management web app with CRUD functionality and a modular architecture using Next.js App Router and GraphQL API routes.
- Integrated Prisma ORM for secure, scalable database operations and PostgreSQL management.
- Designed reusable React components for seamless UI consistency and optimized client-server communication.

Technical Skills

Languages: Python, Java, C/C++, JavaScript, TypeScript, HTML, CSS

Technologies/Frameworks: React, Next.js, Angular, Node.js, Prisma, PostgreSQL, Docker, Git/GitHub, JUnit, Figma, Tableau, Heroku

Methodologies: Agile Development, REST APIs, CI/CD, Cloud Deployment, UI/UX Design

Extracurricular Activities

Computer Science Undergraduate Society

Web Developer

- Spearheaded a React.js website redesign for student society, improving usability for 500+ users.