

Dominic Chen

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TECHNICAL SKILLS

- Languages: Python, Java, JavaScript, TypeScript, C#, C++, Lisp, Bash, Elixir, Haskell, Rust.
- Technical: HTML5, CSS, .NET, Next.js, React, SQL, RESTful API, Bootstrap, Tailwind, JQuery, Flask, Express.
- Developer Tools: UNIX/Linux, Git, Azure DevOps, MSSQL, Visual Studio, Firebase, Postman, Power Automate, Figma.
- Core Skills: Full-Stack Development, OOP, ORM, MVC, Project Management, Computer Architecture, UI/UX.

EDUCATION

Bachelors of Science (Honours) in Computer Science

Expected 2027

Toronto Metropolitan University (Formerly Ryerson University), Toronto ON

- 4.1 / 4.33 Cumulative Grade Point Average.
- Relevant Coursework: Software Engineering, Data Structures, Operating Systems, Computer Architecture, Intro to C & UNIX.

WORK EXPERIENCE

Software Developer Co-op

July 2024 - Present

FGF Brands, Toronto ON

- Built .NET backend APIs for load tracking system, a mobile application utilized by around 500 drivers across North America with real-time location tracking, user authentication processes including login, registration, and OTP verification, and efficient data handling for ETA calculations, user profiles, and admin data views within SQL Server.
- Developed a .NET web portal for admin users to display load tracking data with features like CRUD operations, trip cancellation, force completion, address autocomplete via Google API, and dynamic filters for trip statuses.
- Leveraged Power Automate to streamline workflows for SMS reminder notifications, OTP delivery, and automated data extraction from SharePoint Excel files to SQL Server database.
- Rapidly adapted to legacy projects by efficiently learning existing codebases to address assigned tasks and resolve bugs, demonstrating strong adaptability and quick learning.
- Led tri-weekly meetings to oversee Azure DevOps ticket progress, coordinating with software developers to gather updates, ensure accountability, and update tickets accordingly, showcasing strong leadership, effective communication, and responsibility in driving project milestones.

PROJECTS

Rotify | 1st Place Winner at HackHive

February 2025

JavaScript | Next.js, Express, Tailwind, OpenAI

- Developed an educational web tool that transforms any desired topic into engaging, AI-generated learning videos with interactive quizzes and chatbot, using Next.js, Tailwind, and OpenAI.
- Led frontend development by designing UI and color scheme with Figma, and building with Next.js and Tailwind.
- Connected AI-generated content from backend to dynamically display on frontend, synced with text-to-speech functionality.
- Created an interactive quiz page with AI-generated questions and answers, including quiz UI and logic, tailored to video content.
- Collaborated in a team of three other developers, completing and presenting a functional demo in under 30 hours.

ChainVision

November 2024 - December 2024

C#, JavaScript, Python, CSS | .NET, MS SQL Server, Flask, OpenAI

- Architected and developed a full-stack .NET web application for FGF's Case Competition targeted to predict supply chain disruption, designing database structure, UI/UX, and core features like news tracking, severity scores, and mitigation strategies.
- Integrated an automated job for generating and storing AI-created news articles in the database for testing, enabling dynamic display of supply chain insights, along with AI powered tailored mitigation strategies.
- Collaborated in a team of four others, completing and presenting a functional demo to company VPs in one week.

LEADERSHIP EXPERIENCE

Toronto Metropolitan University's Chinese Student Association (TMUCSA)

September 2023 - Present

Web Developer

- Led and initiated the development of TMU CSA's website using Next.js, Tailwind CSS, and Firebase, creating a dynamic platform to present our groups values and vision, along with an events gallery, appealing UI/UX, and animations.
- Orchestrated full-stack development, integrating Firebase for efficient storage of events data and image URLs, while also refining design and functionality through proactive feedback sessions.
- Rapidly acquired expertise in the Next.js and Firebase to build a responsive, visually appealing website, adapting swiftly to project demands and ensuring a user-friendly experience.