

Dominic Chen

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TECHNICAL SKILLS

- Languages: Python, Java, JavaScript, TypeScript, C, Lisp, Bash, Elixir, Haskell, Rust.
- Technical: HTML5, CSS, Node, React, OpenAI, React Native, SQL, REST, Cohere, Bootstrap, Tailwind, JQuery, Next.js, Streamlit.
- Developer Tools: UNIX/Linux, Git/GitHub, Eclipse, VSCode, Figma, Photoshop, Illustrator, Premiere Pro, After Effects.
- Core Skills: Software Development, Web Development, Mobile Development, Computer Architecture, Agile Development.

PROJECTS

A Trip Down Memory Lane

January 2024

TypeScript | React, CSS, Cohere, Axios, Express.js

- Led frontend development with React and CSS, crafting visually appealing layouts enriched with animations and transitions.
- Leveraged Axios alongside TypeScript for efficient data retrieval and processing from backend API calls.
- Operated with backend developers to establish seamless data exchange protocols, ensuring smooth frontend-backend integration.
- Collaborated with a team of three programmers during UofTHacks 11.

Smoggle Maps

January 2024

JavaScript | React Native, Google Maps API, Expo Go, XCode, CSS

- Built a mobile application using JavaScript and React Native, incorporating the React Native library and Google Maps API.
- Calculated carbon dioxide emissions for diverse transportation methods and tracks user emission statistics over time frames.
- Utilized Expo Go and XCode throughout the mobile development process.
- Collaborated with a team of three programmers during DeltaHacks X.

Java Quest

January 2023 - March 2023

Java | Java API

- Created a 2D Adventure Game exclusively using Java's built-in class library.
- Utilized Java's javax.swing, java.awt, java.util, java.io, and javax.sound packages.
- Designed character sprites and tiles to enhance visual appeal and gameplay.
- Implemented collision detection algorithms for realism and immersion.
- Deployed a pathfinding algorithm for entities targeting the player, increasing entertainment and challenge.

LEADERSHIP EXPERIENCE

Toronto Metropolitan University's Chinese Student Association (TMUCSA)

September 2023 - Present

Web Developer

- Initiated and led TMU CSA's website development, utilizing HTML, CSS, JavaScript, Tailwind, and Next.js.
- Orchestrated front-end and back-end development, refining design and functionality through proactive feedback sessions.
- Rapidly acquired expertise in the Next.js framework, ensuring agile adaptation to project needs.

WORK EXPERIENCE

Retail Associate and Cashier

May 2023 - Present

Claw World, Toronto ON

- Tailors communication to accommodate customers' language preferences, including English and Cantonese, and performing hands-on demonstrations when necessary.
- Performs detailed data entry, money counting tasks, and analysis of sales data, improving daily sales by 65% and enhanced customer satisfaction by 45%.
- Utilizes the company's database and software to manage and assist with VIP member accounts, demonstrating proficiency in working with customer relationship management systems.

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.
- Minor in Cyber Studies
- Relevant Coursework: Discrete Structures, Software Engineering, Data Structures, Operating Systems, Computer Architecture.