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, React Native, SQL, RESTful API, Bootstrap, Tailwind, JQuery, Flask, Express.
- **Developer Tools:** UNIX/Linux, Git, Azure DevOps, MSSQL, VSCode, Visual Studio, Eclipse, Postman, Figma.
- **Core Skills:** Full-Stack Development, UI/UX, OOP, ORM, Project Management, Computer Architecture, Agile Development.

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.
- Minoring in Cyber Studies
- Relevant Coursework: Software Engineering, Data Structures, Operating Systems, Computer Architecture, Intro to C & UNIX.

PROJECTS

EcoDex August 2024
JavaScript, Python | Next.js, Tailwind, Flask, MongoDB, OpenAI
- Developed a gamified waste management platform, enabling users to scan waste items and receive detailed information on proper disposal methods, environmental impact, and waste categorization.
- Implemented image recognition using OpenAI's API to identify waste types, significantly improving user engagement through accurate and real-time feedback.
- Designed and built responsive UI with Next.js and Tailwind, ensuring seamless accessibility across mobile and desktop.
- Collaborated in a team of three other developers, completing a functional demo in under 13 hours.

Rec Club April 2024
JavaScript | React, Tailwind, Axios, Express.js, SQL
- Led frontend development with React and Tailwind, crafting visually appealing layouts enriched with animations and transitions.
- Implemented login authentication and registration using SQL databases, managing member, admin, and coach credentials.
- Created a real-time notification feature, enabling instant communication between administrators and coaches.
- Utilized Express and Axios for efficient server-side processing and API integration.
- Collaborated with a team of four programmers during the Intro to Software Engineering course.

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.s framework, ensuring agile adaptation to project needs.

WORK EXPERIENCE

Retail Associate and Cashier May 2023 - July 2024
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.