

Daniel Shi

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TECHNICAL SKILLS

Languages: JavaScript, TypeScript, HTML, CSS, Python, C++, Java, R, MATLAB
Frameworks/Libraries: React, Next.js, Framer Motion, Tensorflow, OpenCV, TailwindCSS, ShadCN, Aceternity
Tools & Technologies: Git, GitHub, theMealDB JSON, Excel, Figma, Drawio

PROJECTS

- ML Engineer – Receipt OCR AI System (CMPT 310 Final Project)** | *Python, EasyOCR, OpenCV* Jun 2025 – Present
- Collaborated in a team of three to design and develop an OCR-based AI system that extracts text from real-world receipt images
 - Built a modular image preprocessing pipeline (background removal, grayscale conversion, tilt correction) to improve OCR accuracy on low-quality inputs
 - Integrated OpenCV and EasyOCR to detect and recognize text, outputting structured data for further use
 - Created a system architecture diagram using draw.io to document preprocessing and extraction stages
- UI/UX Developer – Travelytics (CMPT 276 Final Project)** | *Next.js, TailwindCSS, TypeScript* May 2025 – Present
- Designed mid-fidelity wireframes and interactive mockups to visualize key features of a travel dashboard web app
 - Integrated GeoDB and WeatherAPI to display city and weather data using responsive components styled with TailwindCSS
 - Collaborating in an Agile Scrum team with Kanban task tracking and GitHub for source control and project planning
- Front-End Developer – Personal Portfolio Website** | *Next.js, TailwindCSS, TypeScript* Feb 2025 – Present
- Designed and deployed a TypeScript-based portfolio using Next.js, TailwindCSS, and Framer Motion, deployed on Vercel
 - Developed custom UI components (Hero.tsx, grid.tsx) and animated layouts to enhance site engagement and visual storytelling.
 - Structured project data in data/index.ts and optimized dynamic content rendering for faster page load times.
- Front-End Developer – Static HTML/CSS Portfolio Website (CMPT 276 Mini-Project)** | *HTML, CSS, JavaScript* Jun 2025
- Built a personal portfolio website as part of a course mini-project and deployed it using GitHub Pages
 - Followed Agile SDLC with a Kanban board to organize tasks, milestones, and progress
 - Implemented custom wireframes, multi-section layout, and accessibility-compliant content
 - Used GitHub issues, labels, project board, and 30+ meaningful commits to meet course deliverables
- Web Developer – Meal Fetcher (DreamHacks 2025)** | *Next.js, TailwindCSS, TypeScript* Mar 2025
- Constructed a dynamic meal-finding web app using Next.js and theMealDB API, allowing users to search and retrieve custom meal data seamlessly
 - Designed modular UI components with ShadCN and TailwindCSS, for accessibility, code reusability
 - Implemented error handling in utils.js, ensuring reliable API interactions and improving data retrieval consistency.

EDUCATION

- Simon Fraser University – BSc. Computer Science – Software Systems** May 2024 – Present
Burnaby, BC
- University of Victoria – Coursework in Computer Science** Sept 2023 – May 2024
Victoria, BC

EXPERIENCE

- Senior Cashier/Barista – Presotea** Sept 2021 – Aug 2023
Delta & Burnaby, BC
- Accurately managed daily cash transactions totaling \$1,000+ while maintaining operational speed
 - Mentored and trained over 10 new staff on POS and barista procedures
 - Coordinated with team during peak hours to maintain efficiency and reduce wait times
 - Ensured inventory restocking and equipment maintenance to meet quality standards

VOLUNTEER EXPERIENCE

- Media Coordinator – SFU Canadianized Asian Club** Sept 2024 – Present
Burnaby, BC
- Captured and edited event photos using Adobe Lightroom and Photoshop, contributing to visually cohesive campaigns that improved event turnout
 - Coordinated with executive team members to ensure content deadlines were met, supporting successful promotional strategies.

INTERESTS

Photography — Grappling — Bouldering — Calisthenics