Daniel Shi

236-971-0028 | dsa179@sfu.ca | linkedin.com/in/danielshi101 | github.com/daniel101shi

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, TensorFlow, OpenCV* Jun 2025 – Present
- Building a machine learning system to extract structured text (e.g., totals, items) from real-world receipt images
- Preprocessed public datasets and fine-tuned OCR models to improve text extraction accuracy on low-quality inputs
- Integrated image preprocessing and prediction pipelines using TensorFlow and OpenCV
- Exploring batch processing and CSV export features for scaling usability in future iterations

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.

Front-End Developer – Flashcards Learning Site (JourneyHacks 2025) | *Next.js, JavaScript, TailwindCSS* Feb 2025
- Collaborated on a web-based flashcard app using JavaScript, Next.js, and TailwindCSS
- Created a clean navigation UI and consistent design system
- Participated in code reviews to ensure project cohesion and functionality

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