

Daniel Shi

236-971-0028 | dsa179@sfu.ca | [daniel101shi.github.io](https://github.com/daniel101shi) | [linkedin.com/in/danielshi101](https://www.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, Draw.io

PROJECTS

- 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.
- ML Engineer – Receipt OCR ML System (CMPT 310 Final Project)** | *Python, Pytesseract, OpenCV* Jun 2025 – Aug 2025
- Developed a modular, parameterized image preprocessing pipeline (grayscale, adaptive binarization, skew correction) with k-fold cross-validation to optimize OCR accuracy on real-world receipts
 - Designed a classification-based text detection system using decision trees to identify and extract total amounts from parsed OCR data with reduced false positives
 - Built an automated testing framework to evaluate accuracy across datasets, generating CSV reports and visualizing OCR results with bounding boxes
 - Presented at a faculty demo with a professional poster and Draw.io system diagram detailing preprocessing, OCR, and validation stages
- UI/UX Developer – Travelytics (CMPT 276 Final Project)** | *Next.js, TailwindCSS, TypeScript* May 2025 – Aug 2025
- Designed responsive UI layouts and mid-fidelity wireframes in Figma, implementing them in Next.js with TailwindCSS styling
 - Integrated GeoNames and OpenWeatherMap APIs to display real-time demographics, weather forecasts, historical trends, and air quality data
 - Collaborated in an Agile Scrum workflow using Kanban boards, GitHub pull requests, and GitHub Issues for version control and task management
 - Created multiple iterations of data flow diagrams with Draw.io
- 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