

Daniel Lee

Passionate developer with an eye for quality and performance.

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Projects

Threadly — Academic Project

OCT - NOV 2025

Designed and built a responsive, component-based frontend for a social discussion platform, implementing dynamic thread creation, rendering, and user interactions with modern JavaScript and CSS.

- Designed and implemented a normalized relational database schema to model users, threads, and nested replies, ensuring data integrity and efficient query performance.
- Integrated frontend components with database-backed APIs, supporting real-time content updates and reliable persistence of user-generated data.

Schedulo — Academic Project

NOV - DEC 2025

Designed and built a full-stack scheduling web application with a modular frontend/backend architecture, enabling users to create and manage schedules.

- Implemented RESTful backend services to handle scheduling logic and data flow, integrating with a modern JavaScript frontend for real-time interaction.
- Integrated MySQL with a Node.js backend, writing optimized SQL queries to handle CRUD operations for schedules and user-related data.

Veritas AI — Academic Project

APR - MAY 2024

Developed a web and mobile application to help people who read online articles determine the bias and accuracy of the content they consume.

- Leveraged IBM Watson Natural Language Understanding to determine underlying biases of user input articles.
- Utilized Google Cloud AI, Firebase, and Tailwind CSS for web development.
- Won runner-up for Most Innovative Project during BCIT's spring 2800 term projects course.

Relevant Experience

Stage Gate Alpha, Developer

SEP - DEC 2025

Part of British Columbia Institute of Technology's Industry Sponsored Student Project Program during Term 4.

- Optimized an existing productivity dashboard designed to connect the dots — pulling data from across projects, timelines, and resources into a single, seamless system for project management and analytics.
- Integrated monthly summaries generated by OpenAI

Contract Flow Solutions, Developer

JUN - AUG 2025

Part of an intensive 5-week project term for British Columbia Institute of Technology's Industry Sponsored Student Project Program.

- Engineered an AI-powered legal document analyzer for redlining and editing based on a client-specific "playbook" that informs suggestions for changes or additions.
- Leveraged Google Gemini AI to work alongside

Skills

Programming Languages

Python, JavaScript, TypeScript, Java, C#, Lua, SQL, HTML, CSS

Libraries & Frameworks

React, Next.js, Astro, Tailwind CSS, Express.js

Tools & Platforms

Node.js, Firebase, Supabase, PostgreSQL, MongoDB, Git, Agile, Figma, Framer

Education

British Columbia Institute of Technology, Diploma - Computer Systems Technology

DEC 2023 - DEC 2025

Courses: Database Systems I & II, Business Analysis and System Design, Algorithm Analysis and Design, Object Oriented Programing

University of Victoria, Bachelor of Science - Psychology

SEP 2019 - JUN 2022

Courses: Topics in Advanced Cognitive Psychology, Advanced Neuropsychology, Cognitive Neuroscience, Statistical Methods in Psychology I & II

Langara College, General Studies

SEP 2016 - DEC 2018

Courses: Algorithms and Data Structures I & II

Volunteer Work

Rotary Interact Club Member

SEP 2013 - PRESENT