OWEN BROWN

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EDUCATION

University of Victoria — Victoria, BC

Bachelor of Software Engineering (BSEng), Co-op program — September 2023 – April 2028 (expected)

- Coursework: Software Architecture, Operating Systems, Algorithms and Data Structures, Database Systems.

EXPERIENCE

OBdesign — Victoria, BC

Founder & Web Developer — June 2025 – Present

- Built the 3,900-line Python pipeline that finds the business's clients: scraping, website analysis, contact validation and model-drafted outreach; about 7% of first cold emails become paying projects.
- Caught the pipeline's language model inventing 97% of its personalized details, and rebuilt that step so drafts can only reference facts the site analyser actually observed.
- Designed, built and deployed more than 25 websites on Vercel, 12 of them live client sites, custom-coded as Next.js and Astro apps in TypeScript; every client to date has left a five-star Google review.

Scholars Edge Painting — Salt Spring Island & Victoria, BC

Business Operator — December 2023 – September 2024

- Built the business to over $80,000 in revenue with a team of four across more than 20 projects.

PROJECTS

Tideline — Python · AWS Lambda + Terraform

Sole Developer — September 2026 – Present

- Built a Python monitoring service (FastAPI, SQLite) on AWS Lambda that checks 11 client sites built at OBdesign for downtime, certificate and domain expiry, DNS drift and email spoofing gaps.
- Rebuilt it from an always-on EC2 server onto Lambda, EventBridge Scheduler and CloudFront to fit a USD 3 monthly budget, all in Terraform; a full 86-check run takes 21 seconds.
- Wrote its 376-test suite (pytest, strict mypy); independent security and correctness reviews found nothing critical.

On the Roadside — iOS + web · Capacitor + Next.js

Developer, client project — August 2026 – Present

- Built and shipped a client's native iOS app to the App Store (Capacitor, GitHub Actions).
- Built its production landing page and traced three App Store rejections to root causes.

SKILLS

LANGUAGES Python, TypeScript, JavaScript, SQL, Java (object-oriented programming), HTML and CSS

AI Generative AI in production (OpenAI API), prompt design and output validation, Claude Code

CLOUD & CI/CD AWS (Lambda, EventBridge, CloudFront, CloudWatch), Terraform, Docker, GitHub Actions

DATA PostgreSQL (row-level security, security-definer procedures), SQLite, Supabase, REST APIs