

## Experience

### EducationPlannerBC

Lead Full-Stack Developer

Victoria, BC

July 2021-Present

- Leading the migration of a post-secondary application service from IdentityServer4/.NET MVC with React to Next.js, enhancing performance, accessibility, and developer productivity
- Designed and developed event-driven services for processing applications using Go, NATS JetStream, and MSSQL
- Integrated BC Services Card digital ID to streamline user signup and auth with secure, government verified credentials
- Implemented a Meilisearch-based academic history feature that simplified data entry and improved user satisfaction
- Led development of cross-functional projects, serving as the engineering point of contact with product, design, and leadership
- Accelerated project delivery and quality by conducting technical interviews, hiring and mentoring 8 new developers

### Eddyfi Technologies - Inuktun

Electrical Engineering Co-op

Nanaimo, BC

Jan-Apr 2020

- Designed high voltage power distribution hardware for submersible remotely operated vehicles
- Authored design documentation, technical references, testing plans, and standard operating procedures for ROV systems
- Standardized a system for flashing microcontroller configurations, reduced device misconfigurations by 10%, reduced waste of critical components with long lead-times, derisking large orders and saving ~12 QA hours/month
- Conducted manual QA and triaged issues in Azure Boards, identified critical issues and improved release quality

## Projects

Code samples, demos, and additional information available at [github.com/liamcoop](https://github.com/liamcoop)

### TimeTracker: Easily and efficiently keep track of time spent working on different projects

- Track session time and notes for time spent on different projects/serving different clients
- Review weekly summaries and add data into your billing software all at once

TypeScript  
Next.js  
PostgreSQL

### Palette: A tool for updating, editing, and storing your tailwind colour palettes

- Create or manage your existing TailwindCSS colour palettes for different projects
- These can be edited using the GUI, or by text through a JSON editor with live validation

TypeScript  
Next.js  
PostgreSQL

## Education

B.Eng., Electrical Engineering

University of Victoria

2015-2020

## Skills

### Languages

TypeScript, JavaScript, Go, C#, C++

### Frontend

Next.js, React, Redux, TanStack Query, TailwindCSS, Storybook, Jest, Vite/Webpack

### Backend & Infrastructure

OAuth2, IdentityServer4, REST APIs, Kubernetes/k8s, Goose, Prisma

### Databases & Search

MSSQL, PostgreSQL, MeiliSearch

### Other Tools

Git, Docker, Figma, NATS, Azure Boards

### Spoken Languages

English (native), French (fluent)