LOGAN TRAVIS

lgntravis@gmail.com | LinkedIn | GitHub

EDUCATION

University of Alberta   Edmonton, Alberta
B.Sc. Computing Science with Specialization   *September 2020 - December 2026*

EXPERIENCE

Demonware   May 2024 – June 2024
Software Developer Intern   *Vancouver, BC*
- Used ReactJS to develop the Top-250 Leaderboards for Call of Duty: Black Ops 6.
- Implemented seasonal content updates and language localizations for multiple Call of Duty games.
- Worked with the QA team to identify and resolve bugs in the combat record menus.
- Refactored the existing codebase to improve performance, and increase development speed.
- Updated the frontend design of the Call of Duty League Hub to align with the new branding.

Freelance   April 2023 – May 2024
Full-Stack Developer   *Remote*
- Developed an e-commerce site serving a **6,000+ player community** using Go and SvelteKit. | Link
- Created Discord bot applications for multiple clients using DiscordGo and Discord.Py.
- Built multiple Stripe integrations to make processing payments easier.
- Reworked client's existing code to improve performance and efficiency.

Alberta Chambers of Commerce   October 2021 – May 2024
Chamber Platform Coordinator   *Edmonton, AB*
- Various onboarding/support tasks and developed automatic survey aggregation tools with Go.

PROJECTS

Compiler | *C++*
- Developed a compiler with a team of 4 for a general purpose language which compiled into **LLVM IR** using **MLIR**.
- Features include function calls, binary operatons, loops, conditionals, dynamic 2D arrays, structs, and memory management.
- Implemented a lexer and parser **ANTLR4** to generate a custom Abstract Syntax Tree.
- Created a compiler to target **RISC-V**, **X-86** and **ARM** architectures for vector based calculations.

Prize Bot V2 | *Golang* | Github Link
- Developed a Discord bot in Go for community events; **active on 1000+ servers, tracking 440,000+ users.**
- Implemented ticketing system for prize management and utilized AWS RDS for data storage.
- Optimized bot's performance and **reduced deployment costs by 95%** by transitioning from AWS to Railway.
- Developing a web dashboard using Sveltekit to manage administrative tasks on the bot.
- Integrated Stripe API for a premium subscription with Discord benefits.

Ark Guardian | *Python*
- Designed a service in Python for **tracking 160,000+ players across 1,450+ game servers** that enabled efficient server administration and player management
- Refactored codebase to improve performance and resolve memory leaks.

ScanPal | *Java, Firebase, Android Studio* | Demo
- Java Application developed using Android Studio in a team of 6 for creating, browsing, and registering for events.
- Used Firebase to securely store images and user data records.

TECHNICAL SKILLS

Languages: Go, Python, C/C++, RISC-V, Typescript, JavaScript, Java, Julia, MATLAB, Dart, HTML, CSS, SQL, R
Frameworks/Libraries: SvelteKit, React, React Native, NextJS, Tailwind, HTMX, Flutter, Antlr