BEAU MCCARTNEY

DETAILS

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Canada

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SKILLS

Critical Thinking

Continuous Learning

Technical Research

Technical Communication

Linux Development and Maintenance

Version Control with Git

LANGUAGES

C/C++

Rust

Python

HTML/CSS

Javascript/Typescript

React

Bash, Fish

PROFILE

Fifth-year software engineering student with expertise in game engine architecture, programming languages, and operating systems.

EMPLOYMENT HISTORY

Coding Instructor, Code Ninjas Marda Loop
Calgary

Jul 2021 — Nov 2022

EDUCATION

Bachelor of Science in Software Engineering, University of Calgary
Calgary

Sep 2019 — Present

PROJECTS

GoLF compiler

Jan 2023 — Apr 2023

Compiles a subset of golang into mips32 assembly. Entirely handwritten, implementing a lexer, a recursive descent parser, a semantic checker backed by a scope-aware symbol table, and an assembly generator.

Maximus Overdrive

Jan 2023 — Apr 2023

A chariot-racing themed lap racer written in c++ using openGL and nvidia's physx 5. I implemented sound design and playback in the game, including Doppler effects and attenuation.