SETH HARLAAR

Software Developer

CONTACT

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EDUCATION

June 2023
University of Guelph, ON
Bachelor of Engineering, Computer Engineering – with honours

SKILLS

React.js

Node.js

HTML

CSS

JavaScript

Flutter

Tailwind CSS

Java

XML

TOOLS

Git

Visual Studio Code

OVERVIEW

Recent computer engineering graduate with a strong foundation in software and hardware design, programming, and math. Experience with full stack web development including React.js, Tailwind CSS, and Node.js. Proficient in multiple programming languages including JavaScript, C, Java, and Dart. Effective problem solver and team player with good communication skills. Seeking opportunities to apply skills and knowledge in a dynamic and challenging environment.

PROFESSIONAL EXPERIENCE

May 2023 – July 2023
Freelance Software Developer
Clip Collider Project

Hired to make modifications on to an existing, internal use only program built with React.js. Main functionality of website is to combine selected sound clips into a single sound clip along with formatting options and preset sound clips.

- Added customization functionality of trimming sound clips and adding delay after clips.
- Added functionality of selection of different types of sound clip types.
- Programmed selection between different sentence types.

November 2021 – January 2022
Freelance Software Developer
Cooklang Language Project

Hired to build a custom C parser, with main functionality of converting formatted recipe texts into ASTs for use in future programs or applications. Used Flex to generate a lexical analyzer, and Bison to generate a parser for tokenized input. Collected parsed input into an AST via C linked lists. Built a custom Python C extension module to convert C linked list into Python object.

- Built a 1-off custom parser used to process recipes that follow the Cooklang language specification.
- Programmed a test harness in Python to automatically test the parser on updates.
- Programmed a script to convert general-category-specific Unicode code points from list and convert to Flex compatible regular expressions.

NON-TECHNICAL EXPERIENCE

April 2020 - Present
Skilled Labour
Landex Group Inc.

Collaborate with team members and supervisors to effectively complete tasks and meet project deadlines. Reading and interpreting blueprints, schematics, and instructions to accurately carry out construction plans. Ensuring that all safety procedures and protocols are followed.