Mark Ippolito

Third-year Computer Science student interested in programming languages, Unicode, and accessibility.

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— Education ——

University of British Columbia, 3rd year, Computer Science major
Relevant Coursework: Intro to Software Engineering, Computer Hardware, Algorithm Design
Overall GPA: 3.57, Major-only GPA: 3.94

— Technical Skills ——

Programming	Java, C++, Rust, Agda, GLSL, HLSL
Web	HTML, CSS, JavaScript, TypeScript, React
Other	Git, SQL, R, MediaWiki

— Technical Projects ——

Web-Based Course Viewer — Academic — Sep 2023 – Dec 2023
- Worked in tandem with a partner to implement a query system for classes and rooms
- Created a web interface communicating with a local server
- Performed weekly retrospective meetings in Agile-like format

Technologies: TypeScript, React, CSS

Custom Programming Language Interpreter — Personal — July 2023 – Dec 2023
- Implemented a functional language with basic data structures
- Parsed source files, performed type checking, and displayed evaluated results
- Maintained source locations through the intermediate language to provide detailed error messages

Technologies: Rust

Sokoban with Solver — Academic — Feb 2023
- Worked with a partner, splitting game logic and display along a shared interface
- Created a breadth-solver, deduplicating states to improve search times

Technologies: Haskell

— Work Experience ——

Doughnut Maker, Krispy Kreme, Austin, TX, US — Jun 2023 – Aug 2023
- Operated doughnut machine to meet delivery amounts and additional demand
- Prepared fillings and dyes in communication with the decoration department
- Managed time to clean equipment and help with packaging as needed

Doughnut Specialist, Krispy Kreme, Austin, TX, US — May 2022 – Aug 2022
- Worked within a team conducting the front-facing area of the store
- Fulfilled orders for customers in-store, through drive-through, and online
- Cleaned equipment and facilities for store close