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Milestone 3

COMP 520

Presented to Prof. Laurie Hendren

McGill University

Tuesday, April 4<sup>th</sup> 2016

# COMPUTATION INTENSIVE PROGRAMS

TODO

## CODE GENERATION STATUS REPORT

**Target language:** C++

By choosing C++, the code generation is quite simple. In fact, Go-lite and C++ share many constructs.

The the code generation for the following subset of Go-lite has been implemented:

- C++ header
- Variable declarations (including multiple variable declarations with matching expressions)
- Type definitions
- Types (C++ equivalent: int, double, bool, char, std::string, array, struct), excluding slices
- Function declarations including signature, arguments and body
- The following statements: empty, block, return, if, if-else, switch, for (including 3-part for loop, while loop and infinite loop), break, continue, assignment

## TEAM ORGANIZATION

Dan:

- Testing

Justin:

- Code generation

Sergei:

- Intensive programs