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Milestone 3

COMP 520

Presented to Prof. Laurie Hendren

McGil University

Tuesday, April 4th 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