

# MemoiInstrumenter

A library that collects function call argument data useful in memoization. This library has been developed and tested in Ubuntu 14.04. Use in other systems at your own risk.

## Dependencies

This library has the following library dependencies:

- GLib2 (package libglib2.0-dev)

## Building

If you have the needed dependencies installed, you can build this library automatically using the provided CMakeLists.txt file.

```
cd MemoiInstrumenter
```

```
mkdir build
cd build
```

```
cmake ..
make mi
```

The build script provides the following targets:

- default (**make**) - builds libmi.a and libcJSON.a
- mi (**make mi**) - builds libmi.a and libcJSON.a
- cJSON (**make cJSON**) - builds libcJSON.a
- mi-run (**make mi-run**) - builds mi-run, libmi.a and libcJSON.a

## Using with other cmake projects

To use this library with other projects using cmake as their build system, you can just copy the MemoiInstrumenter directory to your code (where it makes sense to you) and add the following two lines to your CMakeLists.txt:

```
add_subdirectory(MemoiInstrumenter)
target_link_libraries(<your-target> mi)
```

Adjust the location of the directory and the CMakeLists lines as you see fit.

## **IDE usage**

Our current preferred IDE is CLion (<https://www.jetbrains.com/clion/>). You can create an account with a university email to have access to CLion. This directory can be imported directly as a CLion project.