BEFORE WEAVING

C++ Core Class {
   public:
      C++ functions and variables
   private:
      C++ functions and variables
}

Aspect: {
  ClInstace Class {
    public:
      OpenCL Variables
      RunKernel Interface
    private:
      OpenCL Variables Setup
      OpenCL Kernel Setup
      Manage Memory Buffers
  }
}

WEAVER

C++ CORE CLASS   ASPECT

Construction

OpenCL Variables

OpenCL Variables Setup

OpenCL Kernel Setup

RunKernel Interface

RunKernel

Move data from host to device memory

Execute Kernel

Move results from device to host memory

WOVEN C++ CORE CLASS

C++ Core Class: {
   public:
      C++ functions and variables
      OpenCL Variables
      RunKernel Interface
   private:
      C++ functions and variables
      OpenCL Variables Setup
      OpenCL Kernel Setup
      Manage Memory Buffers
}