The existence of side-channels has been known for many decades. They exploit various mediums, such as power, network, memory, etc. All of these side channels require that the adversary have access to a shared resource. With the advent of cloud computing, it makes it more likely an attacker will have access to the same physical hardware as a victim. A popular choice is to attack the CPU cache since it is often shared amongst multiple users and can contain sensitive information, such as an encryption key. Since CPU caches can leak a great deal of information quickly, it is imperative that easy to use techniques are developed to mitigate this threat.

The goal of this work is to provide developers with an easy to use tool to remove side channels. So far, we are able to automatically detect side channels in a basic programming language. The goal is to expand this to encompass an entire language such as C as well as automatically remove the side channels.

**Related Publications**
