

# Chad Versace

✉ [chad@kiwitree.net](mailto:chad@kiwitree.net)  
📄 <http://kiwitree.net/~chadv>  
updated 2016-08-17

## Experience

2016–present **Chrome OS Graphics, Software Engineer, Google.**

I work on Chrome OS's graphics stack, focusing primarily on OpenGL, Vulkan, EGL, and Mesa.

2010–2016 **Linux Graphics Software Engineer, Intel.**

I develop Intel's OpenGL and Vulkan drivers, in the open source Mesa project, for Linux and Chrome OS.

- Co-authored Intel's first conformant Vulkan driver, which Khronos certified conformant on Intel's Broadwell and Skylake GPUs on 2016-02-15.
- Implemented OpenGL and EGL features for Intel GPUs, such as MSAA, ETC1 compression, separated depth/stencil buffers, and GLSL built-in functions.
- Enabled hardware-specific performance features, such as depthbuffer compression.
- Improved webpage loadtimes for Google Chrome by accelerating OpenGL texture uploads.
- Resolved critical graphics bugs reported by Intel customers.
- Founded and maintained an opensource project, Waffle, that is critical to Intel's OpenGL test infrastructure.
- Worked in the opensource community following standard practices: code submission and review occurred on mailing lists, Gerrit, and IRC.

2012–2014 **Khronos Representative, Intel.**

I represented Intel at Khronos, an industry consortium that develops open standards for hardware-interfacing APIs.

- Served as Intel's voting member in Khronos's EGL Workgroup.
- Major contributor to the EGL 1.5 Specification.
- Authored several EGL extensions and implemented them in Intel's EGL driver; namely the EGL\_EXT\_platform extension set.

## OpenSource Projects

I actively contribute to the opensource projects below.

- Mesa Userspace component of Intel's OpenGL, EGL, and Vulkan drivers.
- Piglit The OpenGL and EGL testsuite for Mesa.
- Waffle A window-system abstraction library, central to Piglit's architecture.

## Skills

OpenGL, EGL, Vulkan C, C++, Python, Linux, Chrome OS, Drivers, Systems Programming, Git, Bash

## Education

2008–2010 **BS, Computer Science, Portland State University, Portland, Oregon.**

2002–2006 **BS, Mathematics, University of South Alabama, Mobile, Alabama.**

## Language

English Native Speaker