Chad Versace

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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 occured 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