

Caleb Callaway

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Objective

Design, implement, and deliver excellent solutions to practical problems.

Skillset

GPU Performance Debug
Scripting (Bash, Python)
Software development (C++, past experience with C# and Java)
Linux System Administration (Samba, LDAP, Kerberos, Single Sign-On, Backup Procedures)

Work History

[2016-present] Graphics Engineer at [Intel Corporation](#)

Benchmarking, analysis, and debug of GPGPU and 3D graphics processing.

[2015] Graphics Architecture Lab Execution Internship at [Intel Corporation](#)

Summer internship (June through August) analyzing current and next-generation graphics hardware performance while developing software tools to support performance analysis.

[2008-2014] Software development and IT at [Autometrix Precision Cutting Systems](#)

Design, implementation, deployment and maintenance of CAD software applications and CNC control software (C#, WPF, C++, Forth). Design and maintenance of internal network (Linux and Windows Server administration). Primary maintainer of company website; primary coder of 2009 website re-design (XHTML, CSS, PHP).

[2006-2010] Installations and customer service at [Autometrix Precision Cutting Systems](#)

Domestic and international installation of flatbed CNC cloth-cutting systems and software. Domestic and international customer service, training, and technical support. Product documentation and document control.

[2000-2005] Site Coordinator for GameSpy Networks' Deus Ex fansite [planetdeusex.com](#)

Community leadership through management of an international volunteer staff and forum administration. Maintenance of the website's codebase. News reporting and content development.

Contributions

newt: github.com/cqcallaw/newt

Type-safe, immutability-first programming language.

Kerberos Guide: help.ubuntu.com/community/Kerberos

Comprehensive Kerberos server and client configuration wiki article.

Kerberos on Android: github.com/cqcallaw/kerberos-app

UI overhaul and support for password conversations, using C, JNI, and Android-flavored Java.

RFID PAM authentication module: sourceforge.net/projects/pam-phidgetrfid

Design and implementation of a Linux PAM module in C, gaining experience with the Linux PA architecture, third-party device drivers, Autotools, splint, and Ubuntu/Debian packaging.

Education

[2016] Bachelor of Science, Computer Science, [California State University, Chico](#)

Graduated with Honors and *magna cum laude*.

[2007] Associate of Science, Computer Science, [Sierra College, Rocklin, CA](#)

Graduated with Honors.

Major GPA: 3.9

Interests

Well-engineered solutions to practical problems; communication security; software freedom