# Kyle W. Ambroff

Email: kwa@icculus.org
Phone: +1 (530) 306-5134

**OBJECTIVE**

An opportunity to develop, maintain, extend and deploy software to solve unique problems.

**EDUCATION**

*Bachelor of Science,* Computer Science        2003 - Present
California State University, Sacramento, CA.,
Expected Spring 2008

*CISCO Netacadamy,* CCNA        2002-2003

**PROGRAMMING LANGUAGES**

Python, C, Javascript, Ruby, Java, C#, .NET, Vala, and POSIX environment. Familiar with C++, Perl, VB.NET, x86 Assembly, e-lisp, FORTRAN, Objective-C, scheme, Common Lisp.

**COMPILER CONSTRUCTION**

bison, flex and ply.

**WEB DEVELOPMENT**

Django, modpython, Apache, Javascript, PHP, Table-less layouts with XHTML and CSS, cgi, TurboGears, AJAX. Familiar with Ruby On Rails and ASP.Net.

**OPERATING SYSTEMS**

GNU/Linux, OpenSolaris, Mac OS X, Microsoft Windows.

**TEXT PROCESSING**

Proficient in using the full power of POSIX and UNIX tools.

**DIGITAL TYPOGRAPHY**

Familiar with TEX, LATEX and Postscript.

**PRODUCTIVITY SOFTWARE**

Experience with OpenOffice.org, GNOME Office and Microsoft Office, including MS Access, Glom and OpenOffice databases.

**FREE SOFTWARE**

I am actively involved in or have contributed to the development, documentation or debugging in the following free and open source software projects:

*GLib*
The low-level core library that forms the basis for projects such as GTK+ and GNOME.

*Vala Programming Language*
Vala is a new programming language that aims to bring modern programming language features to GNOME developers without imposing any additional run-time requirements and without using a different ABI compared to applications and libraries written in C.

*Beagle*
Beagle is a search tool that ransacks your personal information space to find whatever you're looking for. Beagle is a very large .NET application that is included in every major Linux distribution.

*Metacity*
The official window manager for the GNOME desktop environment.

*Novell Evolution*
Evolution provides integrated mail, addressbook and calendaring functionality to users of the GNOME desktop.

*iPodder*
A feature rich, cross-platform Podcast client for Windows, Mac OS X, and Linux.

**WORK EXPERIENCE**

*Systems Software Engineer, Flextronics, Inc.*         2007-Present
Designing and Developing interactive kiosk software on the .NET 2.0 platform, including software platform, developer tools and custom applications. Responsibilities include developing device drivers for hardware components such as magnetic card readers, printers, bill acceptors and other sensors, maintaining cross platform build system using GNU Autotools, as well as developing rich interactive user interfaces.

*Independent Contractor (self employed)*         2007 - Present
Providing consulting and software development services. Specialize in web application development with Django and Python, interactive Javascript user interfaces, and cross platform desktop applications built with the GNOME platform.

*Application Developer, Invision Design and Development*      2007 - 2007
Developing interactive web applications for clients specializing in multimedia, sports and entertainment. Maintaining legacy PHP applications and leading development of new software using Python and the Django web framework. Also developed applications with Ruby On Rails.

*Software Developer, California State Legislature*         2007
Worked along side the chief information security officer to develop centralized security event monitoring and processing system using OSSIM, Snort, ntop, nessus and several other security products. The software was designed to aggregate security events to a central database where they could be correlated and processed to determine their importance, allowing the security staff to better respond to any incident.

*Application Developer, California State University Sacramento*     2007
Develop and maintain course-ware applications called LOCUS, which is used by hundreds of students and faculty members. Software was developed using PHP and MySQL.

*California Department of Education, Nutrition Services*      2006 - 2007
Develop and maintain database driven desktop applications and interactive web applications using AJAX for internal use. Duties also included some system administration.

*Google Summer of Code, 2006*         2006 - 2006
I participated in the Google Summer of Code program, where I was funded to implement network searching support for Beagle using multicast dns for host discovery, and XML-RPC over HTTP.

**HONORS**    Dean's Honor List for academic achievement.

**VOLUNTEER**    *UC Davis, CA: PIOM Reasearch Center*                    Fall 2005
**WORK**    Spent a little over one month auditing software tools for cryoelectron microscopy
    developed in the 1980s, and documented requirements for next generation tools.

**REFERENCES**    *Clint Florez,* Visual Designer
    Yahoo!

    **Email**  clint.florez@gmail.com
    **Phone**  (707) 208-4904

    *David Lawhorn,* Associate Information Systems Analyst
    Data and Technology Unit,
    Nutrition Services Division,
    California Department of Education.
    **Email**  DLawhorn@cde.ca.gov
    **Phone**  (916) 323-9502

    *Chris Kavooras,* Manager
    School and Nutrition Programs Unit,
    Nutrition Services Division,
    California Department of Education.
    **Email**  CKavoora@cde.ca.gov
    **Phone**  (916) 322-3609

**HOBBIES**    Writing free software, and contributing to the free software community in general. I am also an active, contributing member of my local ACM chapter and LUGOD (the Linux User Group of Davis).