

Troy Koelling  
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<http://www.galateadesign.net>

## Objective

A full time job or internship in web or software development. I enjoy user interface programming, as well as Perl scripting or Java/C++/C programming.

## Education

University of Colorado in Boulder, Fall 2001 - present. 3.0 GPA.

I am currently a senior in Computer Science with a focus on Digital Animation and User Interface Design. I am also pursuing the "Technology Arts and Media" certificate through the Atlas department at CU.

Classes of note: **Algorithms**(csci3104), **Software Engineering Methods** (csci3308), **Computers as Components - x86 Assembly**(ecen2120), **Digital Logic** (ecen3100), **Operating Systems**(csci3753), **Database Systems**(csci3287), **Network Systems**(csci4273), **Object Oriented Analysis and Design**(csci4448), **Unix System Administration**(csci4113), **User Interface Design** (csci4838), **Artificial Intelligence** (csci3202), **Computer Science two semester Senior Project**

Fairview High School, Fall 1997 - Spring 2001.

I graduated from Fairview in 2001 with a 3.5 weighted GPA. I also lettered four times in band.

## Experience

- May 9 2005 - Present                      Qualcomm Incorporated                      Boulder, CO

### **C Programming**

I was an intern through the summer of 2005 and was asked to remain working through my last semester at CU. I worked on the Sirius UI project, which was the user interface for a Siemens phone. The project was coded in C, on the BREW API developed by Qualcomm. I was given a large responsibility in programming "shortcuts" on the phone. Toward the end of the summer I shifted focus to testing and was sent to San Diego to learn about a testing framework called STRIDE created by S2 Technologies. STRIDE tests use javascript and perl scripting.

- August 28 - May 7 2005    HealthWare Incorporated                      Boulder, CO

### **Cocoa Application Programming**

As a part of my senior project, I am working in a team of 5 students to create an OS X dental charting application from scratch for a company who successfully sold the same thing for Apple OS 9. This project utilizes Objective-C and Apple's Cocoa API, as well as database technology from InterSystems.

- August 28 - December 2004    Boulder, CO

### **Java Programming**

In the fall semester of 2004, I created a Java messaging center with three other students for Object Oriented Design(csci4448). We deployed this messaging server using Tomcat in December.

- Feb 14 - Present            University Web Communications,            Boulder, CO  
**Web Programming**  
 I am currently working with the University to create products ranging from interactive flash maps to energy usage graphs for the campus. We use many technologies including Perl-CGI, HTML, CSS, RSS(XML), Flash, Javascript, Photoshop and Dreamweaver.  
 Contact: Jan Autrey (303)492-3494
- November 1 - November 19 2003      CrannyRentals.com            Boulder, CO  
**Web Design**  
 I created this website to advertise my client's beach property in Playa Del Carmen, Mexico.  
 Contact: Bob Cranny (303)530-2413
- 2000 - May 2003                      DimensionalPhotos.com            Denver, CO  
**Web Design**  
 I worked on a team of three to create this site including the flash and photo galleries.  
 Contact: Kerry Koepping (303) 595-0660
- May 2001 - September 2003            Target            Boulder, CO  
**Electronics Sales Associate**  
 My responsibilities at Target included helping customers and running the electronics counter. Being the only one there meant being accountable to security for the cameras and games that Target sold.  
 Contact: Denise Swak (303) 449-3400

## Honors

- I have received the Eagle Scout award from the Boy Scouts of America.
- I was Section Leader of the trumpet section for the Fairview marching band, receiving 6th at State.
- Member of the 2001 award winning Fairview Science bowl team.
- I am currently an officer for the Macintosh User Group at CU.
- I participated in the TAM Digital Movie Festival in March '04, submitting my animated short named "Teddy Bear Love" ([www.galateadesign.net/BearMovie320.mov](http://www.galateadesign.net/BearMovie320.mov)).

## Skills

Skills	Skill level	Experience
3D rendering (Maya, Blender)	Intermediate	4 years(cumulative since 1998)
C/C++	Advanced	5 years (cumulative since 1998)
UNIX (Darwin/Gentoo linux)	Experienced	4 years (all recent)
Perl/Bash scripting(self taught)	Experienced	3 years (all recent)
Photoshop (The Gimp)	Advanced	5 years (cumulative since 1997)
CSS (self taught)	Advanced	1 year (all recent)
(X)HTML (standards compliant)	Advanced	6 years (cumulative since 1995)
Java	Intermediate	4 months (all recent)
PHP(self taught)	Beginner	4 months(all recent)
MySQL	Intermediate	4 months(all recent)