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SKILLS

Programming Languages: Perl, C/C++, C#, Javascript, Java, SQL, HTML, CSS

Operating Systems: Linux, Windows 95/98/NT/2000/XP, some Solaris and BSD

Applications and Libraries: PostgreSQL, MySQL, Apache, Lighttpd, Git, CVS, Subversion

Miscellaneous: IPv4 and IPv6 networking, strong verbal and written communication skills, excellent troubleshooting and debugging skills

EXPERIENCE

Open Source Work:

Farnsworth Programming Language

2008-

Creator, Lead Designer, and Lead Developer

- Farnsworth is a dynamically typed functional and imperative programming language. It is being designed for applied mathematics and physics. Currently has a working implementation consisting of 26,000 lines of code, including a testing suite for the parts of the language that are finalized.
- More Information: <http://www.simcop2387.info/>

Kona

2010

Web Designer, Javascript Programmer

- Kona is a simple Wiki application created using modern technologies in Perl and XHTML with CSS3 for a modern layout with MultiMarkup for creating documents.
- More Information: <http://github.com/symkat/Kona>

AutoSub

2009-

Creator, Lead Programmer

- A project to aide in the creation of closed captions by identifying portions of video that contain human speech using various types of signal analysis.
- More Information: <https://github.com/simcop2387/autosub>

Freedroid RPG

2003-2004

Bug tester, Programmer

- Found and fixed various buffer overflows and other bugs
- Did some optimization on the original OpenGL code in the project

Work History:

Personal Project

2010

Web Designer, Javascript Programmer

- Created several designs for <http://www.notanewyorker.com/> and related sites.

Cyphrus Federation of Underwater Activities

2010

Programmer

- Created interactive dive tables to plan no decompression diving.
- More Information: <http://www.oceanssearch.com/>

EDUCATION

Belmont Abbey College

2003-2007

Georgia Highlands College
Kennesaw State University

2008-2009
2010