



OBJECTIVE

To start a career developing software that will challenge my knowledge and require me to expand my abilities, while allowing me to use my skills designing software and administering systems.

SKILLS

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

Operating Systems: Linux, Windows, some BSD

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

Miscellaneous: HTML; CSS; IPv4 and IPv6 networking; strong verbal and written communication skills; excellent troubleshooting, problem solving, and debugging skills; very quick learner.

EXPERIENCE

Work History**Rent.com***2012-2014***Lead Developer/Team Lead/Scrum Master**

- Lead the integration of Rent.com property management systems with Salesforce.com to replace internal sales tools.
- Integrated Rent.com systems with parent company property management systems.
- Lead the move between data centers migrating almost all production systems.
 - Moved and tested code from perl 5.14 to perl 5.16
 - Changed deployment system to work as an unprivileged user to accomidate more securely setup systems
 - Assisted the overnight deployment and testing
- Re-architeched and finished long standing rewrite of inventory automation system
- Perfomed SCRUM Master duties involving planning, auditing, and making sure that projects were being worked on and not blocked
- Took on project management responsibilities for several projects to ensure they were done properly and on time

Contract Work*2011***Programmer**

- Created Application to retrieve data from Google Analytics and perform customized reports on data importable into spreadsheets and other report creation software.

Things Done Later*2011***Web Designer, Javascript Programmer, Backend Programmer**

- Created interactive interface and backend for Things Done Later. <http://www.thingsdonelater.com> code available at <https://github.com/simcop2387/TDL>.
- Backend consists of a lightweight FastCGI Perl backend capable of handling large loads without requiring large investments in server capacity.
- Frontend is created using JQuery and features a fully secure login using HMAC-SHA256 challenge-response to allow authentication without transmitting sensitive data.

Not A New Yorker*2010***Web Designer, Javascript Programmer**

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

Cyphrus Federation of Underwater Activities*2010***Programmer**

- Created interactive dive tables to plan no decompression dives without the aide of an expensive dive computer.
- The Perl backend was created to be edited and worked with using the existing workflow of the client.
- More Information: <http://www.oceanssearch.com/>

Autozone*2007-2008***Cashier, Stock**

- Operated the cash register at the front of the store
- Kept the stock room organized
- Installed various parts in customers cars

CVS

2002-2003

Cashier, Stock

- Operated the cash register at the front of the store
- Assisted customers in a polite manner
- Kept the stock room organized

Open Source Work

Github

- You can also find many more projects on my Github account at <https://github.com/simcop2387/>

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/>

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>

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>

Freedroid RPG

2003-2004

Bug tester, Programmer

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

MediaSched

2005-

Creator, Lead Programmer

- MediaSched is a program for easily running any kind of scheduled and unscheduled media playback. Supporting the use of existing calendar/scheduling software for the selection of simple to complex play lists.
- More Information: <http://github.com/simcop2387/MediaSched>

EDUCATION

Kennesaw State University

2010

- Studying for a degree in Computer Science. Focusing on programming, networks, and databases.

REFERENCES

Michael Parkhurst	Software Developer at Media Temple	mparkhurst@mediatemple.net
Peter Krumins	Software Developer/Blogger	peter@catonmat.net
James Halliday	Software Developer	mail@substack.net