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github.com/hut8

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OBJECTIVE...To develop decent software that improves lives.

EDUCATION...Rensselaer Polytechnic Institute [Troy, NY].....2007 -> 2011
B.S., Computer Science (Dropped out)
Extracurriculars: [Tau Epsilon Phi Fraternity, RPISEC (Computer Security Club),
RCOS (Rensselaer Center for Open Source)]

Bethlehem Central High School [Delmar, NY].....2003 -> 2007
High School Diploma (GPA: 90/100; SAT: 2100/2400)
Extracurriculars: [Science Olympiad, National Science Bowl, Masterminds (trivia),
Help Desk (Unpaid Intern), Civil Air Patrol]
Awards and Honors: [Science Department Award (x2), Masterminds JV MVP, Science Bowl
Regional Champions, Science Olympiad (1st, 3x2nd, 3rd place)]

EXPERIENCE...Xerox Litigation Services [Albany, NY].....June 2013 -> Present
Software Engineer: Develop PHP, Ruby, Python, Oracle PL/SQL, Go, HTML5, CSS,
JavaScript with Prototype/jQuery and MySQL for the OmniX document review
platform. Provide highest level support to clients, including on an on-call basis.

Capital IQ [New York, NY].....(Co-op).....May 2009 -> January 2010
.....(Internship)...May 2010 -> August 2010
Software Engineering Intern: Implemented new design for high-traffic search page using
SQL Server 2008, ASP.NET 3.5, C#. Redesigned existing caching infrastructure to work
with distributed caching system ("Velocity" in CTP). Contributed to VMware Virtual
Machine management system with web interface for internal use. Wrote automated,
web-based .NET code-coverage utility using ASP.NET, C# and P/Invoke. Cut over
legacy ASP code to modern ASP.NET code. Offered full-time position.

Self Employed [Albany|Troy, NY].....May 2007 -> Present
Technical Support & Software Engineer: Support Windows and Linux based
workstations, servers and networks for three small businesses total, one
currently. Implemented web-based frontend to add functionality to their "database"
(pre-SQL) using Perl, MySQL, Python, Linux and Apache for candy and grocery
distributor. Automatically found deals using raw catalog data from distributors.

Rensselaer Polytechnic Institute [Troy, NY].....September -> December 2008
Undergraduate Teaching Assistant: Supervised two two-hour lab sessions per week for
Computer Science I (CS-1100) and answered questions about C++, basic algorithms

SKILLS.....Programming, Markup and Query Languages:
(x86|x64) Assembly, C++, C#, C, CSS, Go, HTML(5), FORTRAN, Java, JavaScript,
Oracle PL/SQL, Perl, PHP, Python, Ruby, Shell scripts, SQL (Various), VB{6,.NET}

FOSS.....fiss: Simple, fast HTTP server for serving static files from the local filesystem.
PROJECTS Integrated SSH tunneling to negotiate/circumvent NAT/firewalls (to easily serve files
given a remote SSH server and key). Go. github.com/hut8/fiss
....Fractus: Peer-to-peer IM application and protocol implemented in Java with strong
encryption and authentication features. Uses protocol buffers, MySQL, BouncyCastle,
Swing, UPnP. Abandoned due to deep regret of starting it in Java (learned valuable
lesson), other projects and course load. Rensselaer Center for Open Source
project. Java. Protocol/crypto/networking have working tests. github.com/hut8/fractus
....sandhog: dead-simple reverse SSH tunnels on Linux, Windows, Mac OS X. Forwards
incoming requests from an SSH server to itself to traverse tricky networks. Go.
github.com/hut8/sandhog
....postr: experimental pastebin clone with cryptographic authentication features.
Written in Go, served via Go's net/http server and nginx. github.com/hut8/postr
....tumblr-go: Go bindings for large subset of the Tumblr API. Responses are native Go
structs. github.com/hut8/tumblr-go
....aliker: Given a post on tumblr, returns similar posts. Assumes the things that
you're likely to like are the things that are liked by people who like the things
that you like. Go, jQuery, HTML5, JS, WebSockets. In progress. github.com/hut8/aliker
INTERESTS...Ham radio (KC2UDT), Student pilot (soloed), music