

ROBERT OLSON

3540 NE 165th
Lake Forest Park, WA 98155

(323) 494 - 0464
robert@highest.technology

Objective

To achieve a higher life goals through starting a career in Tech

Education

Donald Bren School of Information and Computer Sciences

University of California Irvine (UCI)

Bachelor of Computer Science

GPA : 3.23/4.0

Credit Earned: 209 Quarter hours

Dean Honor List 2010 and 2012

La Salle High School Pasadena, CA

High School Diploma

GPA : 4.33 / 5.0

Major College Preparatory Honors: Cum Laude

Produced various video projects for the schools closed circuit television system LTV

Job Related Skills and Experience

Human Languages

- Fluent in English, Spanish, Classical and Ecclesiastical Latin

Computer Languages

- In order of hours of experience: Java, Perl, bash scripting, java script, HTML, PHP, C, C++, C#, x86 assembly, Obj-C, python, haskell, lua, ruby, Pasal, BASIC, MIP32 assembly, Fortran, Prolog
- Implemented simple C - like functional language compiler for a college group project course alone in a group of one.
- A preference to approach and understand programming problems in purely functional terms.
- Experienced with software versioning control systems (git, svn, mercurial)

Operating Systems

- Linux (kernel version 2.4 – 4.10+)
- FreeBSD (9.0 - 9.3, 10.0 – 10.3, 11.0, 12-CURRENT)
- Windows Server (2012, 2008R2, 2003)
- Windows Desktop (10, 8.1, 8, 7, Vista, XP, 98/95)
- Mac OS X (10.4 “Tiger” and above)
- Android (2.0 “Eclair” - 7.1+ “Nougat”)
- Cisco IOS/NX used on many Cisco switches and network appliances

Hardware

- Intel/AMD x86_64 architecture (desktop, laptop, tablets, phones etc)
- ARM v7 architecture (various android devices, raspberry pi 2, i.MX6 Cortex-A9 soc devices)
- Cisco routers/switches and generic small business equivalents
- Wired and wireless IP security cameras

Software

- Microsoft Office Suite, LibreOffice Suite, Apple iWork Suite
- Oracle Virtual Box, Vmware player, Linux KVM, FreeBSD bhyve, Microsoft HyperV, FreeBSD jails, docker containers
- GNU Zebra, a networking software package including support for OSPF, RIP and BGP network routing protocols
- Software firewalls, iptables, pf, ipfw, ufw
- HTTP servers and software stacks, apache, nginx, lighttpd, php, php-fpm, mysql, Wordpress, Drupal, Owncloud
- Ollydbg, CheatEngine, gdb, ethereal, wireshark and other low level tools used in debugging and reverse engineering.

Security

- Strong technical understanding of symmetric and asymmetric forms of cryptography.
- Committed to knowing, understanding, following security best practices wherever possible, has some sort 2nd factor auth enabled for almost all persal online accounts.

Networking

- In dept technical understanding of TCP/IP stack including ethernet, DHCP, DNS, HTTP, FTP, SMTP, telnet, SSH and many other common protocols
- Familiar with limitations of various wireless standards and wired cable media.
- Capable of troubleshooting routing issues using software tools like wireshark.
- Experience with networking scanning and penetration tools like nmap and metasploit framework

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Activities & Hobbies

- Set up and administered game servers for various online multiplayer video games including but not limited to Battlefield 2, quake iii, and various source engine titles.
- Developed, built, and distributed some custom server sided modifications to be played and served by said servers.
- Set up and administered voice over internet server for team coordinated events (teamspeak, mumble, ventrillo).
- Experience in disassembling and reverse engineering games and game servers for personal modification and use including building external 'trainer' programs for personal use.
- Listens to various weekly podcasts on computer news, programming, and security.
- Uses various automation tools to maintain personal home servers and workstations.
- Licensed HAM radio amateur general – call sign KK6YIL
- Participant at various tech conferences and hackathons

AT&T VR/AR Hackathon – Bellevue

February 2017

- Team HUDmuffin, makers of dreamHUD for the Epson MOVERIO AR smart glasses
 - Awarded Best Augmented Reality App Overall, 2nd Place
 - Awarded Most Efficient App

Work Experience

Veterans Administration

June 2013 - present

Los Angeles, California

Information Technology Volunteer

- Evaluate aging workstations suitable for refurbishment, troubleshoot and replace faulty hardware, contact hardware support representatives, and configure workstations for software upgrade to Windows 7.
- Significantly improved hardware screening process through use of a live Linux boot environment to run diagnostics and benchmarks to measure fitness of hardware rather than using old inefficient in house methods.

Industrial Hardwood Inc

January 2013 - present

Perrysburg, Ohio

On call basis

Technical Consultant

- Upgraded office network to gigabit internally and facilitated changing internet service provider.
- Set up office VPN for accessing office resources remotely
- Recovered data from hard drives of a computer system that was damaged beyond repair by fire

West Covina Dental

August 2009 - present

West Covina, California

On call basis

Technical Consultant – Dr. Ricardo Suarez DDS

- Facilitated the migration of patient records from one database to another. Review and analyze specifications and programming. Evaluate and support security information and to comply with doctor patients privacy records.
- Set up and administered an office network of about a dozen computers including setting up local security policies and network segmentation to mitigate potential security issues.
- Assisted and oversaw the in the set up and integration of new x-ray software, conducted application testing and security assessment.
- Assisted in migrating office's website to a new hosting company.

ABC Realty and Other Computer Services

December 2008-present

Los Angeles, California

Technical Consultant

- Set up and administered separate home and office networks including setting up a VPN to each for remote access.
- Set up a system for periodic backups and software upgrades for security updates for office and home computers.
- Set up centralized network file storage for access on all desktops, laptops, tablets and phones.
- Troubleshoot and repair hardware as issues arise.

Links

- [Personal Website](#)
- [Personal Github](#)