

# JAMIL VALLIANI

Home: 43277 Sabercat Place • Fremont, CA. 94539  
School: 39 13<sup>th</sup> Street Fl. 1 • Troy, NY. 12180  
(510) 388-1050 (C) • jamil@valliani.net • vallij@rpi.edu

---

## Objective

To launch my career as a software developer or network engineer at a fast-paced, innovative and exciting technology company that provides ample room for professional and personal development.

## Experience

May 2002 – Present Cisco Systems, Inc. San Jose, CA.  
Engineering Technology/Intern

- Designed and conducted HALT and HASS overstress tests on the Gigabit Switch Router (GSR) and Catalyst 6000 switch.
- Generated new IOS configurations and IXIA test profiles to thoroughly stress the route processor and line cards on the GSR.
- Took the initiative to completely redesign the group web site. Coded and rolled out the new web site using Perl, SSI (Server Side Includes), and CSS (Cascading Style Sheets) to produce a dynamic, user-friendly site. Drastically reduced site maintenance and update time from several days to just minutes by automating document posting and retrieval process.
- Trained other team members and produced documentation on how to maintain and add features to the new web site.
- Coordinated with multiple organizations within the company to get the equipment and resources necessary to conduct lab experiments and redesign the web site.
- Analyzed thousands of field failure records to determine what products had the highest failure rates and arranged for those boards to be tested in the lab.
- Performed advanced error failure analysis on returned products where the failure analysis engineers could not duplicate the customer's failure. Wrote numerous advanced router configurations to recreate failures and wrote failure analysis reports for major customers.

May 2001 – Present The New Internet Computer Company San Francisco, CA.  
Product Development and Testing/Intern

- Evaluated the performance and assisted in debugging of software releases for the company's product.
- Built customized software releases to reduce time needed for sales and new releases for major customers.
- Developed a guide for outside developers to create their own customized versions of the software.
- Researched and tested possible software and hardware additions to the product to extend usability and appeal.
- Educated colleagues on how to navigate and utilize the Linux-based internals of the software.
- Providing ongoing consulting services for product and I.T. issues throughout the year.

June – August 2000 Loudcloud (now Opsware), Inc. Sunnyvale, CA.  
UNIX System Administrator/Intern

- Participated in the installation, testing, and administration of several hundred deployed customer and company UNIX machines spanning five data centers nationwide. Configured the associated Network Monitoring Services. Also assisted and coordinated with other groups in active deployments.
- Assisted the NOC in resolving customer issues using the Remedy trouble ticket system.
- Installed and/or configured SunOS 5.7, Linux, Oracle (server and client), WebTrends, SSH among numerous other services and packages. Responsible for administering these services in a live production environment for several Fortune 500 customers.
- Configured and allocated EMC and Sun D1000 disk array space for customer databases.
- Created Perl and shell scripts to automate administration of machines.
- Administered Sun E4500, E420, E220, Netra T1, Ultra5 and HP LPr machines.

June – August 1997-2000 Crossvue, Inc. San Jose, CA.  
Network Engineer, System Administrator/Intern

- Researched and ordered high-speed T1 line and Internet provider for company's new headquarters. Migrated critical services (E-Mail, VPN, and Proxy on NT and Linux platforms) from older ISDN line to new T1 line.
- Administered E-Mail, Remote Access Server (VPN and SSH based), DHCP, Domain Controllers, DNS zone records and servers, Proxy servers along with Ethernet-Ethernet and ISDN-Ethernet routers/firewalls.
- Performed desktop and network support for two companies in-house and assisted in data center configuration.

Education

1999 – Present

Rensselaer Polytechnic Institute

Troy, NY.

- B.S., Computer Systems Engineering and Computer Science (dual major) Expected 5/2003
- Current GPA: 3.77/4.00. Dean's List status every semester. Being initiated into Eta Kappa Nu Engineering Honor Society
- Cisco Certified Network Professional (CCNP) certified 5/2002. Cisco Certified Network Associate (CCNA) certified 10/2001.
- Relevant completed coursework: Data Structures and Algorithms, Models of Computation, Embedded Control, Computer Components and Operations, Computer Architecture, Electric Circuits, Programming Languages, Operating Systems, Networking I and II, Network Programming, Programming in Perl, Signals and Systems, Java, XML in Java, Multimedia
- Coursework in progress: Microprocessor Systems, Database Systems, Software Design and Documentation (Team Leader), Computer Communication Networks, Probability in Engineering Applications, Professional Development III
- Projects: TFTP Server, HTTP Proxy Server, Multi-user and IPv6 compatible chat server and client, UNIX Shell, File Finder and Compressor, L-System Simulator, Smart Car (based on Motorola 68HC11 microprocessor)
- Language familiarity: C/C++ (including STL), Perl, HTML, CSS, Java, XML (including SAX and Xerces), Visual Basic, PHP, Lingo (Macromedia Shockwave)
- Compiler and Interpreter familiarity: gcc / g++, Microsoft Visual Studio, Intrl C, CodeWarrior, Java JDK 1.3, Perl 5.6.1
- Platform familiarity: Windows 3.1/9x/NT/2000/XP, UNIX (Linux, Solaris, BSD, Tru64, IRIX, AIX), Cisco IOS and CatOS
- Member of the Rensselaer ACM (Association for Computing Machinery) with active participation in Linux and Networking special interest groups.
- Active member of the RAF (Rensselaer Aeronautical Federation) where I am studying for the private pilot exam.
- Member of RPI Entrepreneur club. Attend monthly Venture B-Plan forums to learn about new businesses.

Other Facts

- Hobbies include: Network and Software Experimentation, Programming, Debates, Strategy Gaming, and Travel
- Traveled to over 20 countries and have been to all continents (except Antarctica – but I will get there!).
- Passed all background and polygraph tests required to obtain a Defense Department Top Secret Security Clearance (2002)
- Was the youngest college intern at Loudcloud and was selected from over 80 other pre-screened applicants in my school for the internship at Cisco