

Nicholas J. Lippis IV

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OBJECTIVE

A highly motivated, self starter seeks to secure a full time position in the computer networking and Software Engineering industry.

EDUCATION

Boston University College of Engineering, Boston, MA

Bachelor of Science in Computer Engineering, received May 2013

Relevant Coursework

Networking

Computer Organization

Databases

Algorithms & Data Structures

TECHNICAL SKILLS

Networking: XMPP, MLAG, OSPF, Spanning Tree, Ethernet, VLANs, IP, ZTP (Arista), DHCP, OpenFlow, Open Virtual Switch

Network Operating Systems: Arista EOS CLI, Cisco IOS's CLI, Pica8, Big Switch Controller, JUNOS

Operating Systems: Microsoft Windows, Linux, Unix, OSX

Web Technologies: HTML, CSS, Javascript, jQuery

Languages: C++, C#, Java, Verilog

SQL: PostgreSQL, SQL Server, MySQL

Programs: Wordpress, Ixia IxNetwork, Xilinx, Xcode, Visual Studio

Virtualization: VMware ESXi5, vSphere, Red Hat Enterprise Virtualization 3, XenServer, Xen Hypervisor, KVM

CURRENT PROJECT

- Pitch - Meeting Enhancement for Windows
 - Microsoft sponsored senior design project with four other Engineers to develop a Windows 8 application that streamlines collaboration and file sharing during meetings of all types.
 - My Role - Designed the backend on Windows Azure. The backend performs CRUD operations on a SQL Server database, facilitates file syncing and interacts with Azure blob storage for file storage.
 - Accolades - Microsoft U.S Imagine Cup finalist, Awarded Entrepreneurship award at Boston University ECE Day

EXPERIENCE

Big Switch Networks

May 2012 - August 2012

Systems Testing Engineering Intern

Palo Alto, CA

- Created demonstrations for customers leveraging network virtualization, software defined networking, and open source networking platforms.

- Participated in meetings with potential customers, presenting value proposition and software features
- Designed and implemented an internal Infrastructure as a Service (IaaS) network for a team of 35 engineers using VMware ESXi 5, Pronto Switches running Pica 8 network OS, and the Big Switch Networks “Big Controller” running its Big Virtual Switch application.
- Architected a complete RedHat Enterprise Virtualization solution with Big Switch Networks (Big Controller)
- Troubleshooted and identified bugs in beta software/systems

Arista Networks

May 2011 - August 2011

Systems Testing Engineering Intern

Santa Clara, CA

- Configured proof of concept networks for major cloud service providers and IT departments
- Configured cloud networks for highly virtualized, cloud spec scale data centers
- Troubleshooted and identified problems/bugs in customer network configurations
- Ran extensive benchmark tests on new products and features for marketing purposes
- Designed networks using new features to push the envelope of how modern data center networks can be configured and maintained.

Lippis Enterprises

August 2009 - Present

Production and Web Manager

Hingham, MA

- Post and distribute the Lippis Report by formatting bi-monthly newsletter that reaches 35,000 IT business leaders focused on Software-Defined Networking, data center switching, network security, virtualization and cloud computing.
- Use social networking platforms to promote new services and material

ACADEMIC PROJECTS - Computer Engineering

- Photoshare
 - Designed a Photo Sharing web application for a databases course. The technologies used were HTML, Java, JSP, and PostgreSQL.
- Basic MIPS CPU Design
 - Designed and implemented a simplified multi cycle MIPS CPU in Xilinx
- MSP 430 Graphic Equalizer
 - Designed a graphic equalizer running on the MSP-430 microprocessor. I used a MSEQ7 chip to transform an audio signal into seven frequency bands and then displayed the information on a LCD Screen

Extracurriculars

- Boston University IEEE Student Chapter (Web Administrator)
 - Our mission is to create an engineering community made up of multiple disciplines to foster project collaboration.
 - Plan member events such as networking with industry professionals, hackathons with multiple student chapter organizations plus social events

Honors and Awards

- Microsoft Imagine Cup U.S 2013 top 10 finalist
 - My group and I submitted our Senior Design Capstone project to the Microsoft U.S Imagine Cup, and after multiple multiple selection rounds we were chosen to be in the final top 10 of all projects in the United States. We went to compete in California where we presented our pitch and met with other investors and entrepreneurs.
- ECE Day Entrepreneurship Award
 - For my senior year capstone project Pitch, we developed a meeting enhancement tool called Pitch. After the project was due the professors in charge of my Senior Design class awarded my project with the entrepreneurship award for excellence in creating both a fully functional product and a detailed business plan.

For more information

- LinkedIn: <http://www.linkedin.com/pub/nicholas-lippis/26/166/956/>