LEO EDMISTON-CYR

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OBJECTIVE

Invest my analytical skills and deep technology experience in projects that share meaningful scientific knowledge that elevates society.

EXPERIENCE

Working as NEFSC Network Administrator
April 2019 – Current
Integrated Statistics, working for National Oceanic and Atmospheric Administration
Woods Hole, MA

- Created a network-wide latency and bandwidth monitoring system covering all seven NEFSC facilities to enable quick resolution of network issues
- Created a network partitioning plan to dramatically enhance network security and maintainability
- Implemented the network management portion of the partitioning plan
- During COVID-19 remote work, I have managed to move 70% of the Woods Hole facility's switches to the new network management network
- Responsibility for network device management, upgrades, and security
- Support Linux hosts in network management network and provide some backup System Administration support
- Work with ISSO and ensure network security is maintained
- Work closely with ITD Chief, Infrastructure branch Chief, and System Administrator to plan network enhancements
- Train and support staff on all network functionality
- Lead a software maintenance project to migrate legacy applications written in Perl to mandated authentication systems

Special Project Assistant, Scientific Programmer
March 2019 – Current
University of Maine
Orono, Maine

- Mentor and support students with coding, data management and acquisition
- Rearchitect PHP and Javascript to achieve web application enhancements
- Work with multiple stake holders inside CRSF to achieve enhanced integration of technology into their research projects, websites, and data products
- Write Python code to extract data and create visualizations for Hyperspectral imaging projects

Robotics Instructor, Education Technician, & Consultant
May 2017 – July 2018
Maine Robotics, RSU 64, Multiple Clients

- Supported, instructed, and inspired kids to learn and try new challenges with Lego Robotics
- Advanced Lego robotics camp leader and mixed camp counselor
- Ed Tech III for Student Success Center at Central High
- Wrapping up consulting for previous employers

Web Engineering Director
July 2013 - July 2018
RainStorm Inc.
Orono, Maine

- Provide programming and architecture guidance to our web developers and clients with advanced needs
- Consult for clients on web analytics, website performance, and social media strategy
- System administration in Linux shell, WordPress programming in PHP and JavaScript
- Automation in PHP and shell scripts to move 100s of websites and email accounts between hosting and technology platforms
- Managed hosting platforms, security, administration, and backup

Marketing Director, Analytics
December 2010 – July 2013
Digital Mountain Consulting
Cumberland, Maryland

- Programmed C# MVC in a NoSQL style to generalize a large, legacy .NET codebase
- Ported high traffic Google App Engine apps to Django/Apache
- Programmed a website traffic valuation system to query Google Analytics
- Consulted for Grande Communications, Atlantic Broadband, Precision Telecom

Director of New Business Development   December 2009 – December 2010
Atlantic Broadband
Johnstown, Pennsylvania

- Atlantic Broadband acquired Pennswoods.net, my employer, for its lean cloud computing, customer base, and classified ad system
- Managed integration of Pennswoods.net: network, technical support, and classifieds website
- Managed Amazon AWS/EC2 and Google App Engine
- Increased classified ad monthly visits and revenue with SEO
- Improved chat based technical support through and thorough review of the customer experience

Vice President of Network Operations   December 1999 – December 2009
Pennswoods.net
Bedford, Pennsylvania

- I built the Pennswoods.net dial-up ISP network around Free, Open Source Software
- Actively managed all network and security operations across 4 NOCs in Maryland and Pennsylvania
- Coded Django/Google App Engine, Perl OO software for business processes and network management
- Extreme configuration of Apache, MySQL, PostgreSQL, OpenLDAP, Cistron RADIUS, Linux and BSD, Bind, openSSH,

proftpd, firewalls, startup scripts, Cisco, BGP, VPNs, a long list of web apps from DokuWiki to WordPress
- Trained and managed the technical support and engineering teams
- Managed ISP acquisitions: pulsenet.net, hereintown.net, losch.net, bedford.net

EDUCATION

BS in Physics
1996
Frostburg State University
Frostburg, Maryland

- Member of Kappa Mu Epsilon Mathematics Honor Society
- Presented my college's solution to the COMAP mathematical modeling competition at the spring 1996 meeting of the Mathematical Association of America in Ashland, Virginia

REFERENCES

Available upon request