Jordan Westhoff

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EDUCATION

RIT
B.S. Motion Picture Science
Expected: May 2015 | Rochester, NY
Add. Focus: Criminal Justice, IT

HOMESCHOOLED
Grad. May 2011 | Wolcott, CT
GPA 3.967

UNDERGRADUATE
Coursework:
Optics and Design
Film Technology and Processing
Digital Production and Post Tech
Computational Programming
Color Science
Imaging Science
Remote Sensing
Projection and Optics
Unix Tools and Scripting
Networking and IP
Cluster Computing
Big Data and Analysis
Linux Systems Administration
Data/Video Archive + Compression

SKILLS

PROGRAMMING
MATLAB • Shell • Scripting • Envi
Rails • LaTeX
Also some:
C • C++ • CSS • HTML • PHP
• Python • IDL

OPERATING SYSTEMS
LINUX:
CentOS • RHEL • Debian • Ubuntu
OpenSUSE • Fedora
Also:
Windows 7 + 8 • OS X • Sun •
ElementaryOS

SOFTWARE
MATLAB • Adobe Creative Suite •
Envi+IDL/Lidar/FLAASH • SLURM
TORQUE • Octave/QT
Also:
Final Cut Pro • OSLO • Zemax •
Zabbix/Nagios • Ansible

EXPERIENCE

RIT RESEARCH COMPUTING | IT NYSTAR COLLABORATORY
| Collaboration Technologies Specialist
| February 2014 - May 2015 | Rochester, NY
- Research and implementation of 4K IP video streams, compression and research

CHESTER F. CARLSON CENTER FOR IMAGING SCIENCE
| Senior Student Systems Administration
| August 2011 – May 2015 | Rochester, NY
- Administrate, install and manage complex computer systems within the Center
- Windows, OSX and Linux systems administration and management

ARROW, INTECHRA, LLC
| Quality Control Analyst, End of Life Teardown Department
May 2013 - August 2013 | South Windsor, CT
- Contracted to oversee the tear down of complex network and data center hardware to be re-manufactured. Required intricate knowledge of networking hardware and its major and minor components from clients like Google, EMC2, JP Morgan, MassMutual and Aetna

INDEPENDENT CONTRACTING
| Systems Administrator
| NY, CT
- Contracted for web development, Linux systems provisioning, maintenance, and scripting on RHEL and CentOS machines with various clients

RESEARCH

RIT UNDERGRADUATE THESIS WORK
| Project Lead
August 2014 – May 2015 | Rochester, NY
Researching, testing and implementing a fully engineered system to process 4K RAW Digital Cinema camera footage in real time through the power of cluster computing and parallel processing. Strong emphasis on IT, networking, computer security, imaging science and software engineering concepts.
Current system performing on CentOS 6.x with 120+ CPU cores and 768GB RAM. Project also focuses on handling big data, data and cinema archiving technologies and best practices as well as backup, data center concepts and big data efficiency.

CLUBS AND AWARDS

Member,Society of Motion Picture and Television Engineers (SMPTE)
President | Head Officer, Mens Club Lacrosse, 2012-2013
Receiver of RIT Presidential Scholarship for Merit, 2011-Present