

Edward Michael McDonald, III

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EDUCATION

Master of Science in Electrical Engineering

December 2007

The Florida State University, Tallahassee, Florida

Thesis Title: Designing Reliable Large Scale Storage Arrays

Relevant Coursework: Digital Forensics, Data Recovery

Bachelor of Science in Computer Engineering & Bachelor of Science in Electrical Engineering

August 2005

The Florida State University, Tallahassee, Florida

Relevant Coursework: Data Structures, Operating Systems

WORK EXPERIENCE

Assistant in Research, The Florida State University

Jan. 2008 - Present

The Department of Scientific Computing and the Center for Ocean-Atmospheric Prediction Studies

- Manage data storage systems
- Maintain web sites (<http://coaps.fsu.edu>, <http://scs.fsu.edu>)

Research Assistant and Team Leader, Mission Assurance Group

Aug. 2005 - Dec. 2007

High-performance Computing and Simulation (HCS) Lab, FAMU-FSU College of Engineering

- Focus on fault-tolerant and disaster recovery systems to provide mission assurance
- Research on Storage Area Networks (SANs) and High-Performance Computing (HPC)
- Implemented fault-tolerant and redundant storage network testbed

Assistant Computer and Network Administrator

May 2003 - Dec. 2007

Center for Ocean-Atmospheric Prediction Studies (COAPS), The Florida State University

- Organized Silicon Graphics to Linux system migration
- Developed automated email processing system for research vessel shipboard data
- Implemented email gateway system for spam and virus filtering

Computer and Network Administrator

Aug. 2002 - Dec. 2007

High-performance Computing and Simulation (HCS) Lab, FAMU-FSU College of Engineering

- Managed high-performance computing clusters

TECHNICAL SKILLS

Programming Languages: Perl, C, C++, Assembly, VHDL, Shell Scripting

Graphical Tools: AutoCAD, Adobe Photoshop, Microsoft Visio

Office Tools: Microsoft Excel, PowerPoint, and Word

Operating Systems: Windows, Mac OS, Linux, UNIX, IRIX

Web Languages: HTML, PHP, CSS