

STEVEN HARRIS

SAINT LOUIS, MISSOURI

SHARRIS22 AT
WUSTL.EDU

PROFESSIONAL PROFILE

- A DISTINGUISHED INFORMATION TECHNOLOGIST WITH EXPERTISE IN A DIVERSE RANGE OF TECHNOLOGIES WITHIN MULTINATIONAL INDUSTRY ENVIRONMENTS.
- DEMONSTRATED SUCCESS MANAGING ENTERPRISE GRADE NETWORKS, DATA CENTERS, TRANSNATIONAL PROJECTS, VIRTUALIZATION, AND SYSTEM MIGRATION.
- PROVEN RESEARCH IN PHARMACEUTICAL, HISTOCHEMISTRY, CELLULAR BIOLOGY, INFORMATICS, ELECTROPHYSIOLOGY, AND LAW.

EXPERTISE

- | | | |
|---------------------------------|------------------------------------|--------------------------------------|
| ▪ WINDOWS
ADMINISTRATION | ▪ LINUX
ADMINISTRATION | ▪ NETWORK
ADMINISTRATION |
| ▪ DATA CENTER DESIGN | ▪ PROJECT
MANAGEMENT | ▪ SYSTEM ENGINEERING |
| ▪ SYSTEM MIGRATION | ▪ VIRTUALIZATION
DESIGN | ▪ STORAGE
IMPLEMENTATION |
| ▪ FIBER OPTIC
NETWORK DESIGN | ▪ BUSINESS CONTINUITY
AWARENESS | ▪ TECHNICAL PROCESS
DOCUMENTATION |
| ▪ ELECTROPHYSIOLOGY | ▪ HISTOCHEMISTRY | ▪ COMPUTATIONAL
ANALYSIS |

CERTIFICATION

MICROSOFT

MCSA
MCITP – Enterprise
MCTS – Active Directory
MCTS – Network Infrastructure
MCTS – Windows 7 Configuration
MCTS – Application Infrastructure
MCTS – Server Enterprise Administration

COMPTIA

A+
Linux+
Security+
Network+

NOVELL

Data Center Specialist
Certified Linux Administrator

LINUX PROFESSIONAL INSTITUTE

LPIC-1

EDUCATION

Washington University in Saint Louis

Major(s): BA Mathematics, BS Computer Science, MS Computer Science

MOST RECENT PUBLICATION

Faber, Clayton J., Steven D. Harris, Zhili Xiac, Roger D. Chamberlain, and Anthony M. Cabrera.
"Challenges Designing for FPGAs Using High-Level Synthesis." 2022 IEEE High Performance
Extreme Computing Conference (HPEC). IEEE, 2022.

EXPERIENCE

WASHINGTON UNIVERSITY SCHOOL OF MEDICINE IN SAINT LOUIS

Division of Statistical Genomics Director of Information Technology 2014 – Present

- Design and maintain state of the art High Performance Computing (HPC) clusters for advanced genetic research.
- Develop tools, services, and infrastructure to support collaboration for National Institute of Health (NIH) Genome-Wide Association studies (GWAS).
- Develop dynamic, secure, and reliable distributed cloud solutions to support several large, NIH sponsored multicenter family and genetics studies of complex traits, the NHLBI Family Heart Study (heart disease genetics), the Genetics of Lipid Lower Drugs and Diet Network (GOLDN) study (lipid pharmacogenetics), and the Long Life Family Study (longevity genetics).
- Serve as technical expert for Programming Languages, Parallelizable Computational Transformations, and Big Data Analysis.

WASHINGTON UNIVERSITY IN SAINT LOUIS

Center for Empirical Research in the Law Researcher 2014

- Developed advanced predictive models and adaptive topical search solutions to extract data from large dynamic datasets generated in real-time by third party platforms.
- Served as the Linux consultant and developer for projects relating to data transformation, aggregation, and visualization.
- Designed Linux based solutions for determination of Contextual Polarity in Phrase-Level Sentiment expressions typically found in judicial supreme court rulings.
- Translated propriety scheduling systems and data paradigms into agile, open, and standardized web application frameworks.

22ND CIRCUIT COURT OF MISSOURI

Juvenile Detention Center Program Director 2013

- Designed enterprise virtual computing topologies and distributed high performance cluster solutions.
- Developed comprehensive computer science curriculum utilizing open source paradigms as a framework for exploration.
- Served as primary instructor to students, lecturing on topics ranging from Operating Systems, Computer Architecture, System Administration, Emerging Technologies, and Modern Enterprise Solutions in the genres of Big Data, Virtualization, and Software Defined Networking.

DREXEL UNIVERSITY

Goodwin College of Professional Studies

Virtualization Architect

Spring 2012

- Designed virtualization solutions, identity management standards, policy, procedures, and best practices for campus wide virtual computing network.
- Provided specialized enterprise level project support and management to the technology units and IT departments.
- Provided system architecture design strategy and implementation roadmaps for Microsoft, VMware, Citrix, Unix/Linux, and Apple integration.

BLACKROCK

Information Technology Office

Datacenter Manager

2011

- Managed all operations of the Delaware production datacenter environment. Translated line of business objectives into tangible policy. Served as the liaison between the business continuity advisory board and engineering teams.
- Developed operational procedures, policy guidelines, and best practices memorandums for production groups including Windows, Unix/Linux, Network, and Telecommunications departments.
- Created disaster recovery guidelines, exit strategy policy, and consolidation procedures. Served as technical expert for hardware, operating systems, and network issue resolution. Managed queues relating to issue resolution, requests, and incident follow-up.

UNITED STATES AIR FORCE

Bradford Instrumentation Systems

Network Consultant

2010-2011

- Translated requirements set by DOD, DARPA, and other military standards groups into operational procedures.
- Designed and developed network infrastructure for military installations.
- Served as a point of interface to the commanding officers, presented solutions to streamline policy requirements. Mentored junior network administrators in best policy and operational guidelines.
- Engaged in problem resolution, network diagnostics, and network auditing. Created documentation, requirement validation records and procedures.

JPMORGAN CHASE

Corporate Office

Senior Data Center Systems Engineer

2009-2010

- Managed all technical operations of several tier 4 data center installations, worked closely with international lines of business to achieve business requirements. Mentored junior engineers in operational standards. Created documentation relating to technical procedures, best practices, and policy guidelines. Performed weekly presentations, status reports, problem resolution cases, and new guidelines.

- Designed migration procedures for network, storage, and server infrastructure.
- Served as technical support specialist for hardware and software resources according to the firm's requirements.