Position Overview:
This Systems Administrator position supports the teaching and research missions of Marquette University’s Department of Mathematics, Statistics and Computer Science. She/he evaluates, installs, tests and maintains the hardware, operating systems and novel applications on the department’s Solaris and Linux based systems. The Systems Administrator is also responsible for the department’s storage array and enterprise backup system.

Essential Functions:
The Systems Administrator manages the daily operation of the departmental systems, maintains user accounts, and performs technical analysis and management of the department’s hardware and software platforms. She/he represents the department as a technical lead on projects, producing administration documentation, support procedures, assuring development of necessary scripting for the platforms management, technical set-up and implementation (including server and/or cluster installation and evolution).

Duties and Responsibilities:
The Systems Administrator duties include
- Operating system installation, configuration, and management.
- Storage array maintenance and troubleshooting with Sun/Oracle support.
- Manage a network of ~100 Windows workstations in teaching labs.
- Backup troubleshooting and data recovery.
- Filesystem space monitoring and resizes.
- Provide architecture recommendations and direction.
- Document administration and support tasks.
- Providing quality control for UNIX-based solutions through appropriate and efficient system performance metrics and analysis, long term system performance tracking and projections.
- Following appropriate change control procedures.
- Performing system tuning in order to provide optimum system response time and system availability.
- Build and maintain a proactive partnership with department faculty and staff.

Required Knowledge, Skills and Abilities:
- Bachelor’s degree in Computer Science, Engineering, or a related field (or a non-science Bachelor’s degree with a strong history of success managing an enterprise UNIX environment).
- Minimum of 2-5 years of experience managing UNIX systems in an enterprise environment.
- Proactive, self-starter who maintains an upbeat, positive, “can do” attitude.
- Candidate must have previous experience with evaluation and set up of failover/failback UNIX clusters in a production environment; experience in management and administration of enterprise storage arrays; experience working with enterprise tape libraries; experience working with enterprise backup system management tools; experience navigating Sun/Oracle support calls to brisk problem resolution; and experience tracking recommended firmware levels for Sun/Oracle products including blade systems, storage arrays, tape libraries, FC switches, is a plus.
• Ability to read and write Perl and shell scripts.
• Strong adherence and respect for change control processes in an enterprise environment.
• Willingness to engage with vendors, technical groups and organizations in order to remain abreast of current technology and techniques. Provide technical assistance to staff regarding aspects of UNIX systems and data storage.
• Extensive experience with system performance analysis and associated tools.
• Knowledgeable with TCP/IP troubleshooting.
• Knowledgeable with system security and patch update management.

Preferred Knowledge, Skills and Abilities:
• High consideration for individuals with Solaris container and Linux virtualization technologies.
• UNIX and/or storage array-related certifications are a plus.
• Strong preference for Solaris and Linux experience. Windows and Mac integration experience is a plus.
• Experience with Oracle databases and applications implementation and support is a plus.
• Effective use of documentation tools.

Marquette University is a Jesuit, Catholic University with a wide range of undergraduate and graduate programs. The University's Mission Statement can be found at http://www.marquette.edu/about/mission.shtml. We seek candidates who support the mission.

All applications for this position must be received through Marquette University’s electronic recruiting system, which can be accessed at https://careers.marquette.edu/applicants/Central?quickFind=54170