

## SYSTEMS ADMINISTRATOR SPEC

## Posting Details

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<b>Posting Number</b>	S00642P
<b>Working Title</b>	SYSTEMS ADMINISTRATOR SPEC
<b>Department</b>	EITS-RESEARCH COMPUTING
<b>About the University of Georgia</b>	The University of Georgia (UGA), a land-grant and sea-grant university with statewide commitments and responsibilities is the state's oldest, most comprehensive, and most diversified institution of higher education ( <a href="http://www.uga.edu/">http://www.uga.edu/</a> ). UGA is currently ranked among the top 20 public universities in U.S. News & World Report. The University's main campus is located in Athens, approximately 65 miles northeast of Atlanta, with extended campuses in Atlanta, Griffin, Gwinnett, and Tifton. UGA was founded in 1785 by the Georgia General Assembly as the first state-chartered University in the country. UGA employs approximately 1,800 full-time instructional faculty and more than 7,600 full-time staff. The University's enrollment exceeds 36,000 students including over 27,500 undergraduates and over 8,500 graduate and professional students. Academic programs reside in 17 schools and colleges, as well as a medical partnership with Augusta University housed on the UGA Health Sciences Campus in Athens.
<b>About the College/Unit/Department</b>	
<b>College/Unit/Department website</b>	
<b>Posting Type</b>	External
<b>Retirement Plan</b>	TRS or ORP
<b>Employment Type</b>	UGA Employee
<b>Benefits Eligibility</b>	Benefits Eligible
<b>Full/Part time</b>	Full Time
<b>Work Schedule</b>	
<b>Work Schedule (other)</b>	Monday – Friday, 8am-5pm
<b>Advertised Salary</b>	\$55,000 - \$62,125
<b>Posting Date</b>	03/05/2018
<b>Open until filled</b>	Yes
<b>Closing Date</b>	
<b>Proposed Starting Date</b>	04/09/2018
<b>Special Instructions to Applicants</b>	
<b>Location of Vacancy</b>	Athens Area
<b>EEO Policy Statement</b>	The University of Georgia is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, ethnicity, age, genetic information, disability, gender identity, sexual orientation or protected veteran status.

## Position Information

<b>Classification Title</b>	SYSTEMS ADMINISTRATOR SPEC
<b>Pay Grade</b>	117
<b>FLSA</b>	Exempt
<b>Job Family</b>	IT
<b>FTE</b>	100
<b>Minimum Qualifications</b>	SEE IT MATRIX
<b>Position Summary</b>	<p>The Georgia Advanced Computing Resource Center (GACRC), a division of the Enterprise Information Technology Services at the University of Georgia, is seeking a talented individual to join the GACRC as a Systems Administrator with the rank of Specialist. This position is part of a team, which supports the research computing needs of more than 280 groups at UGA. The GACRC's primary resources include two Linux high-performance computing (HPC) clusters, and multi-tiered network attached storage devices.</p> <p>As part of a team effort, this position will be responsible for the joint system administration, software maintenance, system monitoring and troubleshooting of a number of research computing systems and storage devices, including compute clusters, parallel/clustered file systems, high-speed interconnects, GPU-based computing, database servers and a virtual environment which sustains support services.</p>
<b>Knowledge, Skills, Abilities and/or Competencies</b>	<p>Knowledge, Skills, Abilities and/or Competencies required to successfully perform work:</p> <ol style="list-style-type: none"> <li>1. Strong Linux systems administration skills, preferably in a research computing environment hosting Linux HPC cluster.</li> <li>2. Advanced systems administration scripting (or programming) skills.</li> <li>3. If not already a systems administrator in an enterprise-level research computing environment, strong experience with multiple Linux/Unix operating systems, supporting a large server and user base is required.</li> <li>4. Experience with network attached storage systems, with specific experience with one or more of the following file systems: ZFS, Lustre, Ceph, PanFS, or other parallel/clustered file systems.</li> <li>5. Experience in operating VMware and utilizing vSphere and ESX infrastructure and resources</li> <li>6. Experience configuring and troubleshooting Linux authentication services and Active Directory integration, using PADL reference modules and SSSD.</li> <li>7. Experience with common network services and protocols such as DNS, DHCP, NFS, SMB/CIFS, VPNs.</li> <li>8. Network configuration and administration skills.</li> <li>9. Strong oral and written English communication skills.</li> <li>10. Strong interpersonal skills and the ability to work well in a team environment</li> </ol>
<b>Preferred Qualifications</b>	<ul style="list-style-type: none"> <li>• 8 years or more of progressive experience as a Linux systems administrator in an academic High Performance Computing Center</li> <li>• Advanced degree in Computer Science, Computer Engineering or a related field.</li> <li>• Current Professional Certification in Linux Systems Administration (e.g. RHCE, SCE, LPIC)</li> </ul>
<b>Physical Demands</b>	Normal office environment
<b>Is driving required to perform essential duties outlined in this position? (This does not include infrequent trips) The successful candidate would have to provide proof that s/he has a valid driver's license when offered employment.</b>	No
<b>Does this position have financial responsibilities?</b>	No

## Duties/Responsibilities

<b>Duties/Responsibilities</b>	Linux Systems Administrator (50% effort) <ul style="list-style-type: none"> <li>• Shared responsibility for systems administration of the HPC Linux clusters</li> <li>• Shared responsibility for systems administration of ancillary (non-HPC) Linux servers</li> <li>• Responsible for systems administration of servers and storage related to special projects</li> <li>• Administer internal GACRC VMware environment</li> <li>• Document systems administration routines, operations and procedures</li> </ul>
<b>Percentage of time</b>	50
<b>Duties/Responsibilities</b>	Storage Systems Administrator (30% effort) <ul style="list-style-type: none"> <li>• Shared responsibility for management of Tier-1 high-performance storage devices</li> <li>• Shared responsibility for management of Tier-2/3 storage, back-up and archival systems.</li> <li>• Document storage administration routines, operations and procedures</li> </ul>
<b>Percentage of time</b>	30
<b>Duties/Responsibilities</b>	General User Support (10% effort) <ul style="list-style-type: none"> <li>• Indirectly help users access and effectively use the GACRC's computing resources by working with GACRC support staff</li> </ul>
<b>Percentage of time</b>	10
<b>Duties/Responsibilities</b>	New Technologies (10% effort) <ul style="list-style-type: none"> <li>• Evaluates, tests, and recommends innovations from the technology field for new services.</li> <li>• Participates in technical discussions and evaluations of HPC, storage and related products and services to fulfill the GACRC mission and enable its continued growth</li> </ul>
<b>Percentage of time</b>	10

## Posting Specific Questions

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Required fields are indicated with an asterisk (\*).

## Applicant Documents

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### Required Documents

1. Resume/CV
2. Cover Letter

### Optional Documents