

Information Technology Job Function

IT RC Systems Professional VI

Grade: 60

Job Code: I1060P

Job Family: IT Research Computing

Job Family Matrix: [IT Research Computing](#)

Summary

Provide expertise and cross-organizational guidance in one or more advanced research computing systems. Develop next generation RC architectures to keep up with the pace of the next generation of computing and/or data intensive research problems. Develop enhancements to maintain the integrity of RC systems at leading edge of current technology. Make strategic decisions and lead cross-functional technical teams and projects alongside research programs across institutional boundaries.

Typical Core Duties

- Provide expert operational knowledge in the configuration, testing, and debugging of RC systems at scale that provides performance improvements of complex environments
- Develop next generation RC architectures to keep up with the pace of next generational computing and/or data-intensive research problems
- Develop enhancements to maintain the integrity of RC systems at the leading edge of current technology
- Collaborate with domain researchers and other key IT (e.g. network and security) to ensure RC solutions are created to meet future needs
- Lead collaborations and participate with systems engineers within the national RC ecosystem
- Present and publish in peer reviewed technical or domain specific journals and conferences
- Lead trainings on specific areas of RC systems engineering or domain research
- Abide by and follow the Harvard University IT technical standards, policies and Code of Conduct

Basic Qualifications

- Minimum of eleven years' post-secondary education or relevant work experience

Additional Qualifications and Skills

- Broad knowledge of the deployment and management of RC systems (e.g. storage, cluster computing, network, database, virtualized systems)
- Demonstrated team performance skills, service mindset approach, and the ability to act as a trusted advisor
- Extensive knowledge in a specific technology
- Ability to lead the development of a specific technology

Certificates and Licenses

- Completion of Harvard IT Academy specified foundational courses (or external equivalent) preferred

Physical Requirements

Working Conditions

- Occasionally required to work outside of normal business hours, and may be contacted during off hours