Information Technology Job Function

IT RC Software/Data Professional VI
Grade: 60
Job Code: I1260P
Job Family: IT Research Computing
Job Family Matrix: IT Research Computing

Summary
Provide expertise and cross-organizational guidance within a team of software/data professionals and researchers in the design, planning, and implementation of software and data services that enrich research productivity and reliability.   Develop software and data services with researchers to ensure that modern standards of reproducible research are kept. Lead multiple projects simultaneously.

Typical Core Duties
- Provide expert knowledge in the design, planning, and implementation of software or data analysis that enriches research productivity and reliability
- Build deep understanding of specific research activities through regular engagements; disseminate new resulting knowledge and anticipate future research needs
- Provide expert development knowledge and experience for multifaceted scope of work and timely project plans with regular milestones
- Build and maintain software code and custom data processing pipelines for next-generation large-scale computing and data analytics environments
- Direct and develop a team of expert developers and researchers in collaboration with systems professionals within a larger ecosystem
- Provide regular communications on large-scope project updates to internal and external PI's/stakeholders
- Contribute to the development of software/data service projects communities beyond local institution for the purpose of sustainability
- Set standards for internal code design and development guides
- Present and publish in peer reviewed technical or domain specific journals and conferences regarding sustainable software and data management practices
- 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

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