## Job Summary

UPMC Corporate Services is hiring a full-time Software Engineer, Associate to help support the Enterprise Radiation Imaging Department for its UPMC Melwood location. The Software Engineer, Associate position primary role is to work with members of management, Senior Software engineers, and third party partners to define and deliver prototype software that demonstrates feasibility, performance, utility, and user experience. The position will include collaborating on the definition of software development efforts, collecting requirements, developing code, creating documentation, and deploying a working system.

Implementation tasks could include a wide span of computer software including web service/site design to, embedded mobile applications. The role will require a broad background in computer science, the application of many different programming languages, a complete set of programming/debugging skills, ability to adapt and change, and an aptitude for continuous learning. This position will work standard business hours Monday through Friday.

## Responsibilities

* Provide technology and operational support to members of management, Senior Software engineers, and third party partners as necessary. This includes the development of detailed project plans for all major requests.
* Working with members of management and Senior Software Engineers on a daily basis to provide status updates, recommendations for improvements, and other inputs of a world class engineering development organization.
* Promote and participate in professional self-education through internal and external seminars and classes related to Software Engineering or other Web and computer related resources.
* Candidate will be expected to participate in project proposal process and roadmap process.
* Provide updates in both oral and written communication.
* Application Design and Programming: Proficient in at least one procedural programming language. Codes simple to moderately complex application components based on design specifications. Performs routine/simple maintenance and problem resolution on software applications. Exhibits working knowledge of development tools such as source control and build practices. Designs new reports and/or reporting protocols for new applications.
* Systems Analysis: Drafts technical requirements and designs specific modules or programs within a larger system under direction of an experienced Systems Analyst. Assists with creating prototype designs for low-risk projects. Documents existing workflow/current business processes. May use CASE tools.
* Implementing Packaged Solutions - Power User Capabilities: Transfer data between different devices, peripherals and applications. Perform basic installation, configuration, and troubleshooting of software applications. Create and edit documents using basic to intermediate functions of software applications. Manage files and subdirectories. Connect to the system using hardwired and wireless peripherals and devices. Apply basic security measure and tools, including updating security applications

## ISD Modality Responsibilities

### Application Design and Programming

* Proficient in Object Oriented Programming
* Proficient in C#
* Code simple application components based on design specifications.
* Performs routine/simple maintenance and problem resolution on existing software applications.
* Designs new reports and/or reporting protocols for new applications.

### WEB e-Business Applications Development

* Proficient in ASP.NET
* Proficient in JavaScript

### System Analysis

* Drafts technical requirements and designs specific modules or programs within a larger system under direction of an experienced System Analyst.
* Assists with creating prototype designs for low-risk projects.
* Documents systems and workflows using UML tools.

## Basic Qualifications

* Bachelor's Degree in Computer Science, Computer Engineering, Electrical Engineering, or a related field from an accredited university, or has acquired core software development skills and knowledge via practical experience.
* Prefer academic experience of complex development environments, taking abstract concepts and ideas and formulating a detailed software engineering plan to deliver.
* Experience developing for Linux, UNIX, and/or Microsoft Windows systems.
* Deep knowledge of programming preferred (C, C++, Java, and Python, and Flash).
* Demonstrated increasing responsibilities including the ability to develop significant software projects.
* High initiative and be self-motivated to exceed expectations.
* Ability to work in and support a team based environment.
* Proficient in both oral and written communication.
* Object Oriented Programming experience is preferred.
* ASP.NET MVC experience is preferred.
* jQuery experience is preferred.
* IIS experience is preferred.
* MS Enterprise Library experience is preferred.