## Job Summary

UPMC Corporate Services is hiring a full-time Software Engineer, Intermediate to help support the Enterprise Radiation Imaging Department for its UPMC Melwood location. The Software Engineer, Intermediate 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. The candidate will be able to expand their role into defining and leading new software projects which will deliver significant impact. This position will work standard business hours Monday through Friday.

## Responsibilities

* Provide technology and operational support to members of management 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.
* Partner with all peers and team members in project planning and resource allocation.
* Candidate must be highly motivated to follow project management, systems/software processes, measurement disciplines, and process improvement (CMMI) to improve product and services quality to achieve business objectives.
* Communicate project activities, statuses, accomplishments, and strategic direction with executive management both orally and in written communication.
* Interface with peers throughout UPMC to develop a strong working relationship between all groups within the UPMC system. Seek opportunity to provide assistance and wherever possible thereby increasing overall service and reducing cost through elimination of duplicate/redundant efforts.
* Evaluate new hardware and software products and technologies and participate in project assessments as necessary.
* Promote and participate in professional self-development to stay up to date with new technologies and development approaches within the industry

## ISD Modality Responsibilities

### Application Design and Programming

* Proficient in Object Oriented Programming
* Proficient in C#
* Code simple to moderately complex application components based on design specifications.
* Performs routine/simple maintenance and problem resolution on existing 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.

### WEB e-Business Applications Development

* Proficient in ASP.NET
* Proficient in JavaScript
* Proficient in Web, WCF and REST services

### 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 three or more years of experience in complex development environments, taking abstract concepts and ideas and formulating a detailed software engineering plan to deliver.
* Experience using, developing, and managing for Linux, UNIX, and/or Microsoft Windows systems.
* Highly proficient in programming preferred (C, C++, Java, and Python, and Flash)
* Proficient in network programming, sockets, RPC systems, web protocols, JQuery, HTML5.
* Basic knowledge with web site construction and management.
* Basic knowledge of Matlab or similar packages.
* Demonstrated increasing responsibilities including the ability to develop significant software projects.
* Must be able to work independently as well as in small groups to problem solve.
* High initiative and be self-motivated to exceed expectations.
* Ability to work in and support a team based environment.
* Prefer experience in a research environment or similar type of work environment.
* 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.