



MASSACHUSETTS

Tech Apprentice Summer Intern Job Descriptions:

BlueCore Detailed Design Intern (1 position); Myrtle Street, Quincy MA

Overview:

BlueCore is the program as BCBSMA that is responsible for replacing identified “key core systems” . As part of the PIC TEC apprentice program working with the BlueCore Detailed Design team, the intern will participate in activities that introduce him/her to the SDLC (System Development Life Cycle) strategy at BCBSMA and in particular to the various deliverables of the Detailed Design Team.

Skills the intern will be exposed to:

- The intern will become familiar with the analysis of business requirements as they relate to system design, to context diagrams, logical data models and data mapping.
- To support the delivery of our products the intern will become familiar with Microsoft Project, Visio, Power Point and Excel.
- In addition, knowledge of the formal risk and issues identification and mitigation process will result from the tracking of actual business scenarios.
- The candidate will be exposed to the dynamics of working as an individual who has input into a team deliverable.

BlueCore Detailed Design Testing Intern (2 positions); Myrtle Street, Quincy MA

Overview:

BlueCore is the program as BCBSMA that is responsible for replacing identified “key core systems” . As part of the PIC TEC apprentice program working with the BlueCore Testing team, the intern will participate in activities that introduce him/her to the SDLC (System Development Life Cycle) strategy at BCBSMA and in particular to the various deliverables of the Testing Team.

Skills the intern will be exposed to:

- Understanding of how functional requirements and logical design documentation are interpreted for testing purposes
- A technical expertise in testing methodologies, tools, and a solid understanding of the SDLC (System Development Life Cycle) model
- Familiarity with database applications and SQL
- Technical expertise in testing methodologies, tools, and solid understanding of SDLC
- Familiarity with database applications and SQL
- Solid communication skills, written and verbal
- Testing Proficiency that includes:
 - Validating code against all functional and appropriate technical requirements
 - The assurance that all applications have been coded/configured to specifications
 - Verification of not only the positive scenarios, but also exception/negative testing (e.g. error handling)
 - Conducting exploratory and ad hoc testing
 - Writing detailed test cases and test data within the test case management tool
 - Conducting shakeout test on the deployed code
 - Executing the test cases during the system test phase
 - Detecting and logging defects with all necessary information for advanced troubleshooting
 - Working closely with requirements engineers and developers as necessary to resolve and retest defects
 - Retesting the fixed defects and documenting test results
 - Use of a formal defect management tool

Data Warehouse Intern (1 position); Landmark, Boston MA

Overview:

The Enterprise Data Warehouse at BCBSMA aims to deliver a robust reporting environment which allows BCBSMA to make data driven decisions focused on improving our members' health. The Data Warehouse area is made up of 40 team members on staff, dedicated to the various aspects of the maintenance and development of the warehouse. The staff are a cross-section of resources, including technical experts and business analysts.

Skills the intern will be exposed to:

- The intern will become familiar with logical data models and data mapping.
- The intern will become familiar with Microsoft Office products, Cognos business intelligence tools and custom web based tools used to maintain the Data Warehouse metadata repository.
- The candidate will contribute to production support efforts and project planning surrounding DW development activities.
- The individual will have the opportunity to contribute to the development of technical training materials.
- The candidate will be exposed to the dynamics of working as an individual who has input into a team deliverable.