
MORGAN WHITMORE
JANICE NEWSOME
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Required Skills:

(List skills needed) – No preference

Preferred Team Communications:

Conference Call, WebEx /
GoToMeeting

Data Sources:

- 1) Qgenda Physician scheduling program
- 2) Cerner / Powerchart electronic medical record

Other Items:

Project preferred time zone is
Eastern Time Zone

Team Info:

Needs a Developer, Analyst, Tester,
DBA and Project Manager. Allows
one team of 4-6 members.

EMR – PHYSICIAN CALENDAR INTEGRATION

In the surgical or procedural setting within a healthcare system, there are a multitude of variables and processes that must occur in order to successfully execute the delivery of healthcare to an individual by the healthcare organization. One of the greatest challenges facing healthcare systems, both physical and electronic, is through the integration of static and dynamic resources. The term "resource" within a healthcare setting is a very broad term to include many different variables, such as physical resources (i.e. examination rooms, supplies, equipment), personnel resources (i.e. doctors, nurses, technicians), and technological resources (i.e. individual programs within an electronic medical record, paging systems, phone systems) -- to name a few.

As one would anticipate, the effective integration of these resources is complex. More specifically, the integration of predictable static resources with highly variable dynamic resources is creating unique challenges within the constraints of our technological systems. Simply, the current iteration of our electronic medical record within the Emory University Healthcare system is currently unable to overcome the challenge of integrating highly variable and dynamic individual physician schedules with predictable static patient procedure scheduling.

In conclusion, the Interventional Radiology Division, within the Emory Healthcare Organization, is seeking the assistance of Georgia Institute of Technology for the creation of a FHIR program, which integrates our current dynamic physician scheduling program with our predominately static electronic medical record, in order to facilitate the consistent timely scheduling of patients -- ultimately improving the delivery of healthcare within this community.

Physician Liaisons: Morgan Whitmore M.D., Zachary Bercu M.D.,
Janice Newsome M.D. (Division Director)

PROJECT OBJECTIVES

- 1) Gain an objective understanding regarding the challenges surrounding the integration of dynamic and static resources within a healthcare setting, as it relates to technology.
 - 2) Assist in the development and creation of a FHIR program that integrates our current dynamic physician schedule with the relatively static electronic medical record for patient scheduling.
 - 3) Have fun in attempting to solve a real-world problem that can have significant impact.
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SUCCESSFUL PROJECT

To Be Discussed with Morgan Whitmore, Janice Newsome and Zach Bercu

Intellectual Property: None