MITRE
Charlottesville, Virginia

MITRE seeks a passionate summer intern to assist in building modeling and simulation and inline medical cyber-physical analytic hardware frameworks to support exploring the effects of Smart Hospital cyber-physical environments on the mission of sharing medical analytics.

Why Should I Consider MITRE?
[Working at MITRE](#)

**Key Functions:**
Work closely with team members to integrate an inline medical cyber-physical analytic platform with existing simulated patient monitors, remote monitoring capabilities into the existing Smart Hospital Modeling Environment.

**Required Skills:**
Completion of a data networking course plus one or more courses in computer programming
- Ability to program in Java
- Embedded systems
- Effective communication skills

**Preferred Qualifications:**
- Ability to program in C++
- Knowledge of networking protocols and applications, including TCP/IP
- Some knowledge of Tilera inline analytics suite
- Experience with Riverbed (previously OPNET) System-in-the-loop (SITL)
- Experience developing models of communications networks

**Minimum Education/Experience:**
Currently pursuing an undergraduate degree

**Travel Statement:**
No travel required.

**Clearance:**
Not Required

**Clearance Statement:**
Security Clearance is not required for this initial assignment. However for future opportunities a government security investigation may be required.

**Relocation Assistance Provided:**
No

**Career Level:**
Intern
Professional Area:
Engineering

Req ID:
26578BR