PROGRAMMING INTERNSHIP OPPORTUNITY

Posting ID: I011816

Company: Safe at Home Quality Care
Job Title: Computer Science Intern/Engineer
Position Type: Internship
College Major(s): CS/CPE

Company Website: http://sahqc.com/
Work Location: Las Vegas, NV
Salary: N/A
College Level(s): Graduates

OVERVIEW
Safe at Home Quality Care is a local Las Vegas company seeking interns to help develop and maintain their system. **Computer Science Interns** and **Engineers** must be able to visualize and understand the components and underlying technology that makes up their system. Their system is comprised of hardware and software that provides a variety of functionality. Such functionality includes managing voice, text and video communication, sensor readings, work flow management applications, and interactive consumer websites. No one is expected to have all the skills required. A team will/may be needed.

**Computer Science Interns**
- C++/C programming
- C#/C++ programming for Visual Studio
- Python for script programming
- Linux operation system: architecture, scripting
- Modular software design
- Mobile programming: Android/iOS – interfacing the mobile application with other modules of the system
- PHP web development (interfacing with the main application)
- Databases: SQL, RDB design
- HTML5/CSS
- Source code version control

**Engineers**
- C++/C programming
- Programming for embedded systems
- Low level hardware programming
- Programming microcontrollers
- Programming network communication between hardware components
- Programming network communication between PC-based Windows application and the hardware component
- Socket programming
- Distributed systems: design, communication, control
• C#/C++ programming for Visual Studio
• Data/Signal processing (processing numerical data from sensors)
• Hardware experience: custom microcontroller boards, ARM boards, microcontrollers
• Sensors: interfacing, PCB design, communication
• Circuits design for microcontroller systems
• PCB design for microcontroller systems
• Extending the existing PCB design, in focus on open-source ARM-bases boards
• Communication protocol design
• Implementing protocol (HIPAA)
• Python for script programming
• Linux operation system: architecture, scripting
• Modular software design
• Scaling the hardware+software design
• Mobile programming: Android/iOS – interfacing the mobile application with other modules of the system
• Wireless communication design and troubleshooting
• Network security: protocols and implementation
• Drivers design and development
• API: design and development
• PHP web development (interfacing with the main application)
• Databases: SQL, RDB design
• HTML5/CSS
• Source code version control

1-3 Programmers are needed
1-3 Engineers are needed

Questions
Please contact Jennifer Gormly at 702-868-3356 or email at Jennifer.gormly@sahqc.com