Badgerloop Software

Responsibilities

Mandatory

Team Website (design & implementation)
Team Website Hosting Solutions
Pod Dashboard Design
Dashboard System Architecture and Data Pipeline
Dashboard Software and Hardware Implementation
Supporting Documentation on the System

Optional

Integration with VR (pod & website)
Pod Data Logging
Internal Web Applications

Necessary Skills and Proficiency with Tools

Mandatory

Command-line use of Git
HTML, CSS, Javascript
Command-line use of Ubuntu/Raspbian and others

Optional

Networking Concepts
C Programming
Databases
Graphics / VR

Roles to Fill

Dashboard Design Lead
Choose a design framework and develop the UI for the dashboard
Dashboard Functionality Lead
Implement the functions the dashboard will need for
testing and production (button press -> ???)
Dashboard Integration Engineer
Controls Team Liaison. Ensure our dashboard will
receive sensor data and produce system commands
Website Design Lead
Choose a design framework and develop the UI for the website
Website Functionality Lead
Implement the website's functionality based on the
requirements provided to you
Website VR Lead
Virtual Reality Team Liaison. Integrate VR's work into the website
Website Backend Engineer
Manage Badgerloop Servers (NUCs) by choosing operating systems and
Software, like DBMSs

Link to Apply: https://goo.gl/forms/iIbHqz7BUAAnGhLy1