



Hardware Engineer

IntelStop is transforming how we protect our homes with technology using state of the art techniques and technologies. We are creating products that solve real everyday problems that are simple to use, yet incredibly powerful. IntelStop's first product is tackling a major problem in homes and stopping it by using smart sensors and technologies developed by the core team. We work with builders, property management companies and insurance companies to bring our products to life. Our deep connections within the industry allows us to navigate and grow. By bringing people simple technologies that have real world impact, we are changing lives by making it smarter, simpler and safer.

We envision a world where technologies are integrated and controlled seamlessly. Help us realize that vision by designing the future with IntelStop. We are looking for passionate, self motivated people to help with board & circuit design, product selection, testing, and prototyping.

Responsibilities:

- Generate specifications for new designs.
- Work together with Mechanical, Firmware, and Software teams to identify requirements of new hardware and provide support on existing hardware.
- Read datasheets and select suitable components to use in a project (processor selection, various communication protocols and selection, sensor design, analog design, audio subsystems, AC power line devices)
- Familiar with Raspberry Pi
- Estimate costs, reliability, and safety factors.
- Test PCBs and other electronic components using Lab tools such as Digital Oscilloscope, Multimeter, Spectrum Analyzer, Logic Analyzer, etc..
- Identify good testing procedures, and carry them out on new designs.
- Design and oversee the production of the electrical portion of latest prototypes.
- Identify regulatory requirements such as FCC, UL, CSA safety.
- Work with CMs to provide tools and support for programming, calibration, and testing of our products.

Skill Requirements:

- Strong knowledge of the fundamentals of digital, analog circuit design and signal processing.
- Experience using CAD or Eagle software to design PCBs
- Basic skills programming for embedded microprocessors.
- Strong prototyping skills such as soldering, reworking PCBs, and bread-boarding proof of concepts. We like to get our hands dirty!
- Capable of working on problems where very little documentation may be available.
- Self motivated to ask questions and find answers.
- Passionate about technology and enjoys hacking/prototyping on the side.
- Dynamic individual with great teamwork and interpersonal skills.

Job Requirments:

- Will report to Amin Nikdel
- Term length to be discussed
- Must have a laptop
- All software/tool needs will be provided

Compensation:

To be negotiated

Please contact Amin Nikdel @ IntelStop@gmail.com for inquires or more information