**GUN GUARDIAN**

**Abstract**

As the frequency of school shootings and gun-related accidents continue to increase in today's society, the need for better household gun safety is apparent now more than ever. With the Gun Guardian, gun safety can be increased in family households to prevent accidental injuries and possible deaths. Our product will notify the consumer through a phone notification, as well as email, if motion has been detected around their firearm.

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**Product Specifications**

Our product satisfies the consumer's needs with the following specifications:

- Cost Effective
- Low Maintenance
- Real-Time Notifications
- Easily Accessible (if needed)
- Motion Sensing Capability

**How it Works**

The Gun Guardian utilizes a simple motion sensor system that will send a phone notification and email, through a Wi-Fi signal, to the consumer's cell phone if motion is detected around their firearm.

**Target Market**

The United States has experienced an increase of school shootings over the past decade. With this rise of social instability regarding gun safety, gunowners now more than ever find themselves searching for additional ways to secure their firearms.

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**Science Daily**

“More people have died or been injured in mass school shootings in the U.S. in the past 18 years than in the entire 20th century”