

# Guardian

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COS 436: Human-Computer Interaction

## Our Goal

- Understand the perceptions of safety for pedestrians in outdoor environments
- Design a product to increase feelings of safety

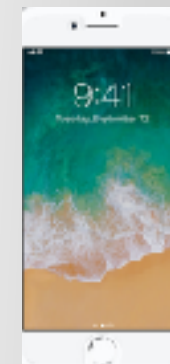
## Data Collection

- 39 responses
- 100% Princeton students
- 80% Female
- 66% Athletes

## Key Findings

- Most users have sometimes felt unsafe, typically while alone or running at night.
- Traffic safety and Personal safety concerns.

## Design Ideas

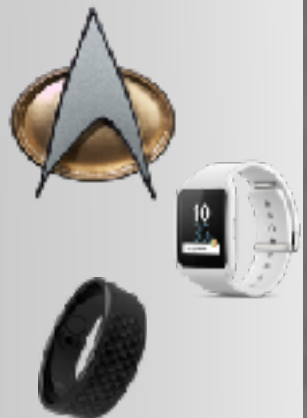


### Guardian App

- + Discrete alert function that does not require unlocking
- Requires a phone
- Need network service

### GuardianGear

- + Easily disguisable
- + Diverse 3D printing designs
- + Small
- More fragile
- Smaller device range



### DefenderBot

- + Protects you from oncoming traffic
- + Voice activated
- Difficulties with rough terrain



**30%** of female runners have been followed during a run

## What's the problem?

Every day millions of people commute to work or head outside for a run. But they don't feel safe.