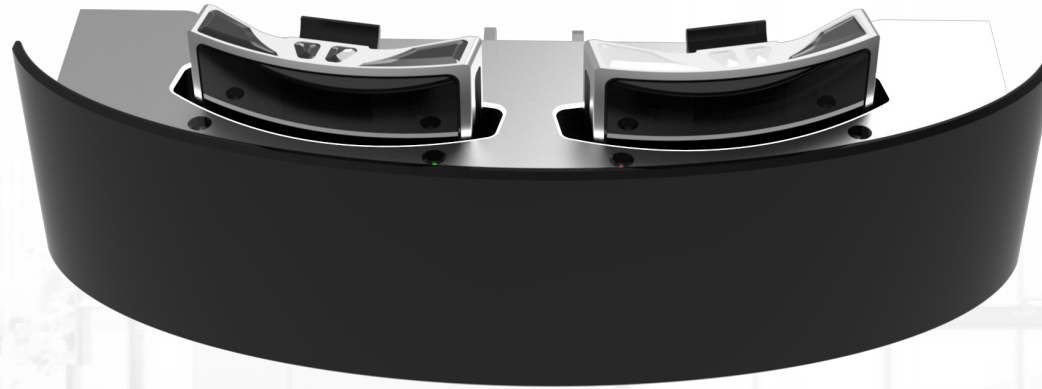# In-Home Pet Location System(PLS)

Designing an
IOT device
for *PETS* and
OWNERS!

By: Tyson Erwin

What to Solve?

Home Is Where My Dog Is

HOME IS WHERE MY DOG IS

OH, WHERE HAS MY LITTLE DOG GONE

Tyson Erwin

My Thoughts...

"The **first 30 minutes** after being left alone is usually the **most stressful time** for the majority of dogs" (CBWT)

"It's estimated that **55 million dogs** (or roughly **20%**) in America have separation anxiety" (The Daily Wag)

+My dog escaped the backyard...
- **WHERE** did my dog go?

+My dog was scared and hid under the couch for 3 hours...
- **WHAT** caused the fright?

+My things are scattered around the house...
- **HOW** did that happen?

+My puppy does the funniest things...
- **WHO** is going to see?

+My dog won't stop whining/barking...
- **WHY** did this happen? Is my dog scared? Did someone break in?

Tyson Erwin

What to Do...

Design a device that can satisfy the 5 W's:

--The Pet location System is the solution--

*Wifi technology
*Long battery life
***Fun** Augmented reality (AR) set up
*Voice activation
*Recording, saving, and **sharing**
*Live full motion video
***Real-time location** of pets at all times
*Discrete and **modern** design characteristics
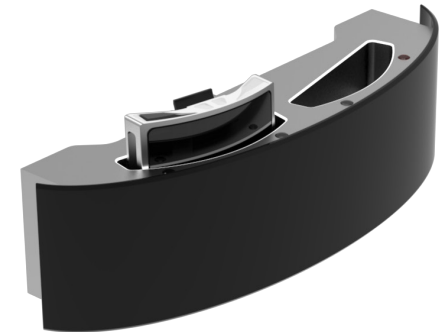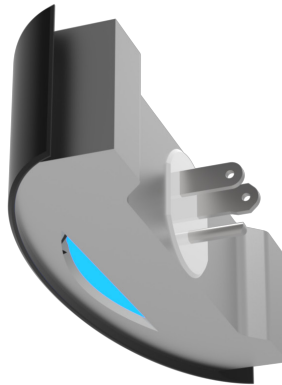*Additional **shared devices**, etc.
*Must I go on?

Tyson Erwin

Where I Started...

Room
Scanned

Tyson Erwin
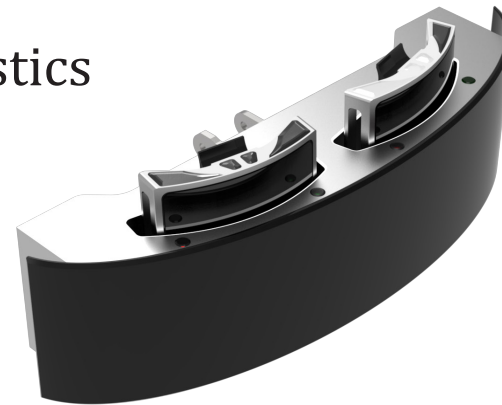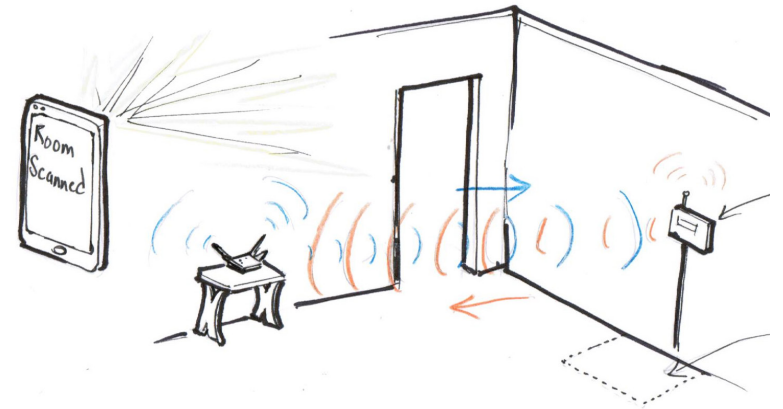
What I Decided...
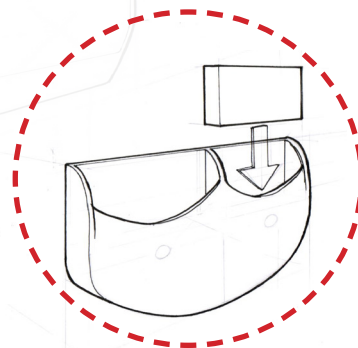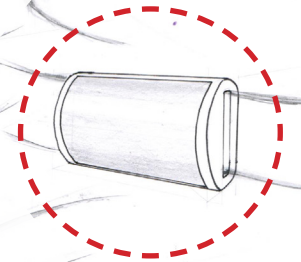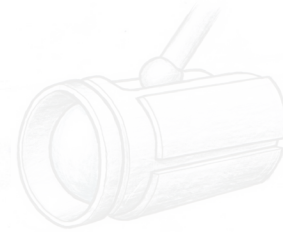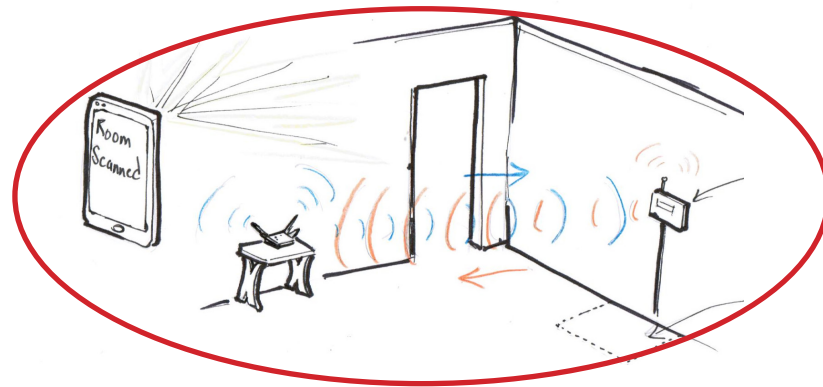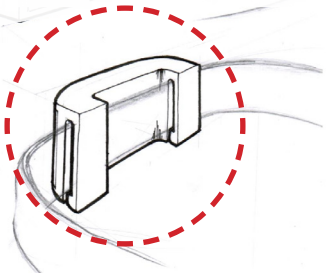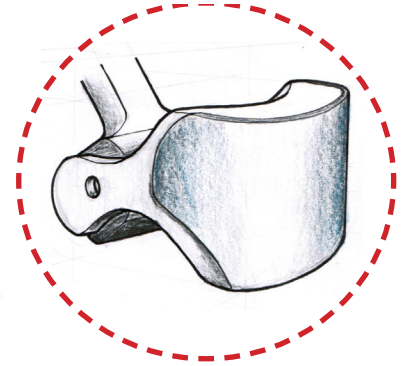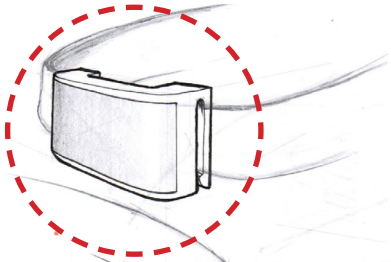
Tyson Erwin

Shaping My Ideas...

Collar:

Wall Device:
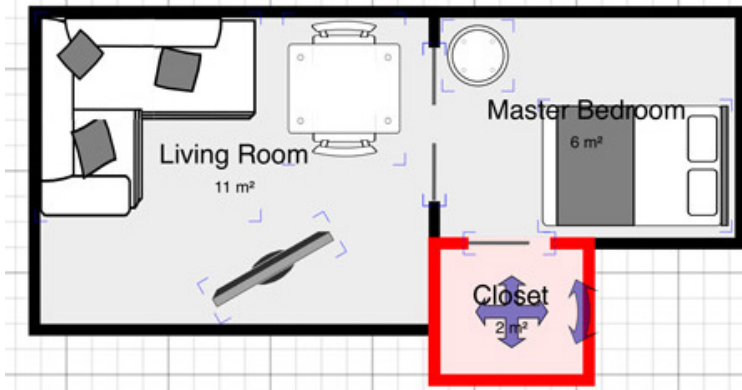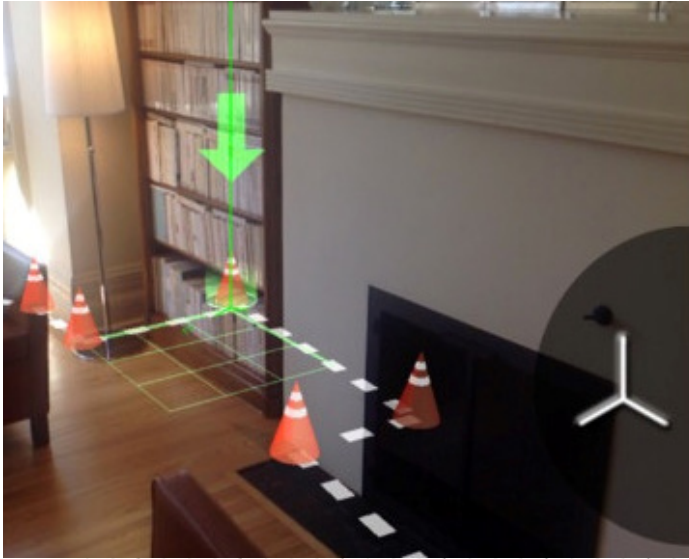

Camera:
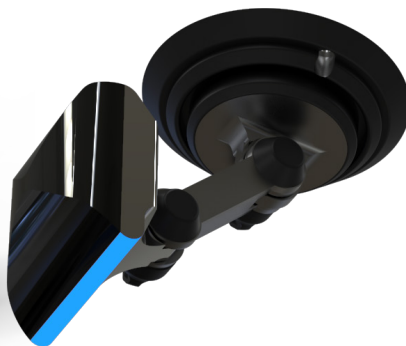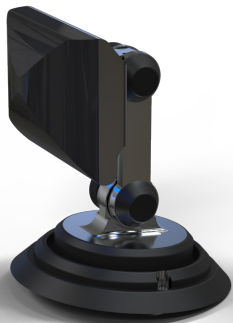
Tyson Erwin

Magic Plan App...

An Apple smartphone application allows you to **scan, save, build, and furnish** your own virtual home! **Perfect** for the <u>In-Home PLS set up</u>!
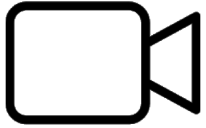
Tyson Erwin

Plug and Play...

But don't forget to CHARGE!

SHARING!!!

TRACKING!!!

ANYWHERE!!!

CONNECTED!!!

Tyson Erwin

Stay Pet-Connected

Thank You

Tyson Erwin