StepUp

Sketch Model Review
Orange A
Stairs are a Challenge

1M falls/year

80% stair falls are at home

Assistive consumer robotics: $1.5 bil

http://media.istockphoto.com/

https://www.svgimages.com/png/stairs-silhouette.html
Initial Designs

Heavy Stair Lifter

- Lots of traction
- Can adjust to fit object
- Convoyer belt track that goes up stairs
- Key

Forklift Clthes Accessory / Jacket

- Backpack type thing

Sunglass Furo's

- Padded backing
Design Challenges

Climbing Stairs

Holding Objects

Motor Assistance
Initial Testing

Tri-wheel Geometry Connections
How it Works
Next Steps

Reduce Size and Friction

Integrate Motor and Frame
Market

$14B Elderly and Disabled Assistive Devices

$20M Moving Technology

http://toolmonger.com/wp-content/
StepUp

Changing the way we lift,
one step at a time