

February 14, 2013

ENGR110/210

Perspectives in Assistive Technology



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Professor Drew Nelson



Krystal Le

Items

1. Presentation evaluation forms
2. Mid-term reports – email by the end of the day on Tuesday
3. Please note that due to the limited presentation time, some project details may not be discussed.
4. Maximum of two questions per team.

Tuesday



Allison M. Okamura, PhD & David L. Jaffe, MS
*Stanford University – Mechanical Engineering
Design Group*



Rehabilitation and Assistive Robotics

Presentation Schedule



1. ProApps
2. Sane Fix
3. Touch of a Button!
4. MyInhaler
5. Team Too Clean
6. ReAwaken
7. The Flatlanders
8. The Pedphiles

ProApps



Social Development Program for Students with Autism **Beth Shields and Kevin McCabe**

Project: Explore the development of educational gaming applications that will help to create an engaging method for students to build appropriate social emotional recognition through repetitive behavioral modeling.

On deck: Sane Fix

Sane Fix



Monkey Bar Prosthetic Project **Sane Cassidy and Tal Fix**

Project: Explore designs for a device for a child with a missing hand or arm that would allow him/her to play on the monkey bars.

On deck: Touch of a Button!

Touch of a Button!



Dressing Aids

Kelly Nguyen, Raymond Liou, and Nathaniel Wynn

Project: Explore designs for anyone with an upper extremity impairment to help them button their pants and shirt (including sleeves).

On deck: MyInhaler

MyInhaler



Inhaler Appearance Project **Kezia Alfred**

Project: Explore designs for inhalers that would improve their appearance, including making them more discreet.

On deck: Team Too Clean

Team Too Clean



Wheelchair Wheel Washer **Sean Pacheco**

Project: Explore designs to remove dirt from the wheels of a powered or manual wheelchair or walker.

On deck: ReAwaken

ReAwaken



NeuroSky Project
Andrew Logan

Project: Explore an application for a person with a disability using the NeuroSky brain-computer interface product.

On deck: The Flatlanders

The Flatlanders



Flat House Project

Will Tucker, Matt Rios, and Tommy Fraychineaud

Project: Explore and design a solution that can be retrofitted to current housing for the outdoor step problem (entering and leaving a house), the indoor one step up or down on a single floor, and the multi-step problem of stairs.

On deck: The Pedphiles

The Pedphiles



Sock Donning Aid

Anna Evans, Richard Lui, and Wade Hatton

Project: Explore a new design for a sock donning aid that can be used with one hand.

Fini

Short Break

