ENGR110/210 Perspectives in Assistive Technology



David L. Jaffe, MS



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



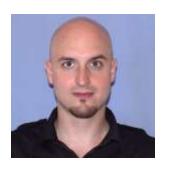


Social Development Program for Students with Autism
Beth Shields and Kevin McCabe

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.



Short Break

