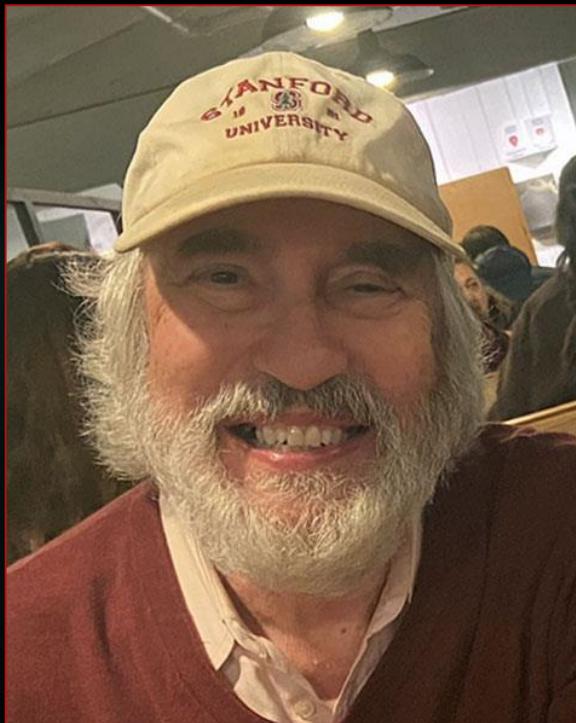




January 9, 2025
Team Project Pitch Day

ENGR110/210

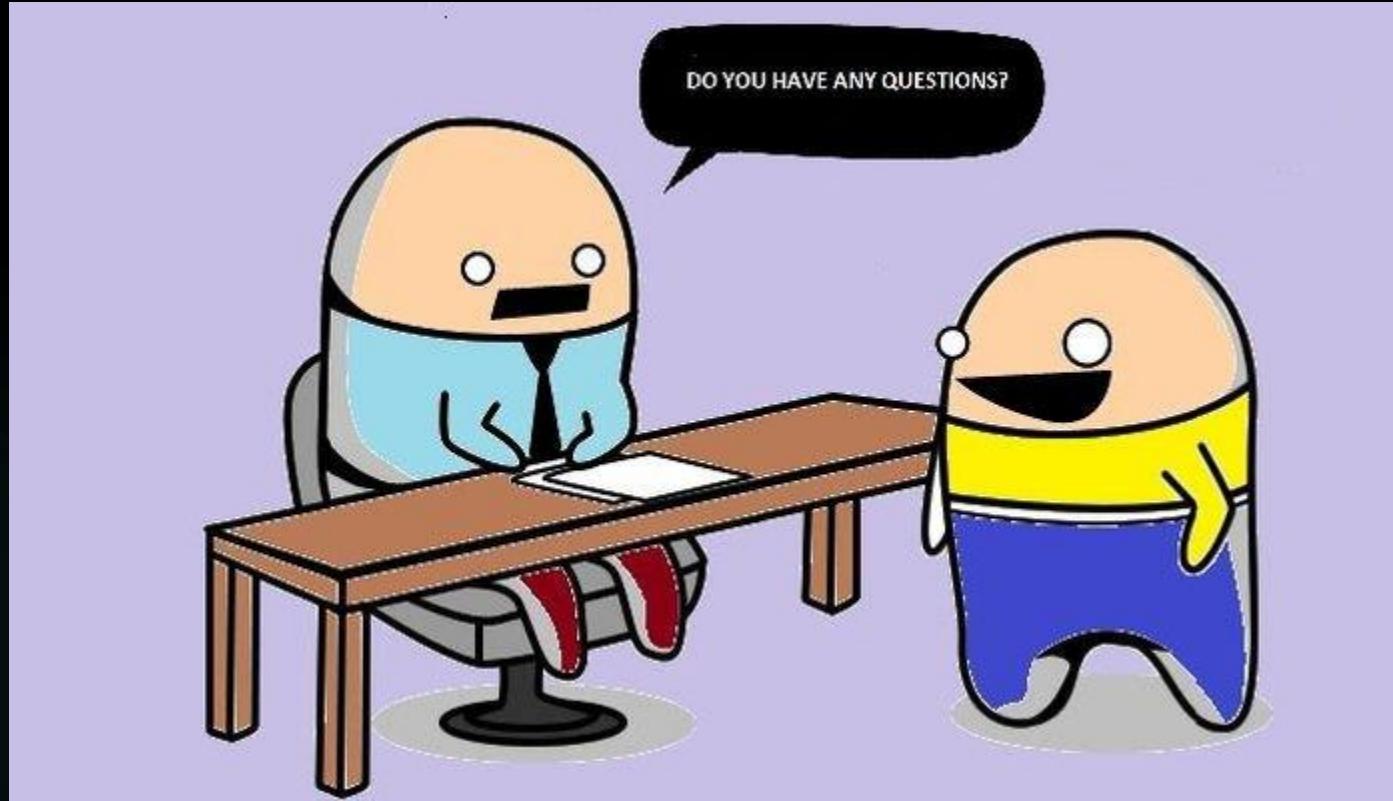
Perspectives in Assistive Technology



David L. Jaffe, MS
Instructor

19
Years

Do You Have Any Questions?



Thanks to:



- ▶ Students:
 - ▶ Enrolling and participating in the course
 - ▶ Filling out lecture evaluations and comments
- ▶ Haas Center for Public Service:
 - ▶ Funding
- ▶ Community Members:
 - ▶ Participating and “adding to the conversation”
- ▶ Project Suggestors:
 - ▶ Suggesting great projects
 - ▶ Working with students



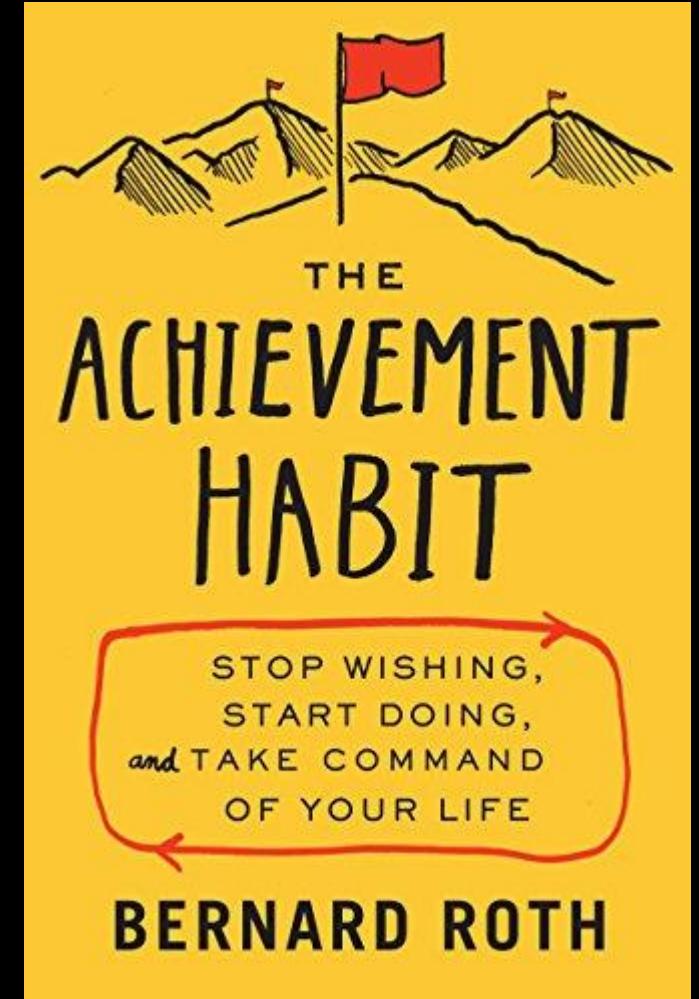
Suggestor



actor, adjudicator, adjustor, advisor, alienator, animator, aviator, capacitor, competitor, consolidator, creator, defector, dictator, director, discriminator, doctor, eliminator, estimator, evaluator, fabricator, facilitator, innovator, instructor, interrogator, investigator, liberator, navigator, orator, perpetrator, predecessor, predictor, procrastinator, proctor, professor, renovator, resistor, sponsor, **suggestor**, suitor, supervisor, tailor, traitor, visitor

Missing a required class session

1. Let me know (beforehand, if possible) by email
2. Do not provide a reason
3. I will provide makeup instructions
4. Make up the missed class session promptly



Enrolled Student Attendance Sheet



All enrolled and auditing students: Please fill out pink Attendance Sheet in **every class session** to verify your presence.

- No need to include “stanford.edu”

01a ENGR110/210 Enrolled Student Attendance List	
January 10, 2023	
Email address @stanford.edu	Name of Enrolled Student
Adebayo, Sola	
Aydin, Beste	
Barnard, Nathaniel Alan	
Black, Lucy Victoria	
Cazares, Isaac Anthony	
Chang, Athena	
Chang, Chih-Ling	
Consul, Sakaham	
Conteras-Forrest, Ezekiel Earl	
Diaz, Carlos	
Fajardo, Cecilia Henrique	
Francis, Cheré Chelsea Alanna	
Gabriel, Ari	
Garza, Aaron	
Gil-Silva, Josue	
Heng, Kimberly Ann	
Higgins, Elliah	
Hau, Evan N	
Huang, Catherine	
Huang, Ethan	
Jia, Rebecca Ran	
Johnston, Conzón A.	
Joshi, Pranit Sushil	
Kalra, Kriti	
Karita, Uzdevne Senia	
Kern, Kelly Mackenzie	
Kohgei, Maho	
Kwon, Andrea	
Lescar, Sasha Roland Abraham	
Li, Kala	
Lim, Ian	
Liu, Angela J	
Liu, Janet	
Lopez, Fatima Guadalupe	
Maeda, Harumi	
Mathews, Quinn Jack	
Email address @stanford.edu	Name of Enrolled Student
Miller, Barnett Andrew	
Mosemer, Nicole Elise	
Murphy, Matt	
Namba, Ayumi	
Ofnerman, S G	
Palmer, Jasmin Elena	
Quiroz, Jessica Cifelli	
Ramos Escoto, Omar Enrique	
Radio, Darren Troy	
Rieken, Melissa Bryn	
Robinson, Kameron Jarod	
Schiff, Michael Cyan	
Seybold, Meesha Manguette	
Singh, Riddhi Kapoor	
Somarelli, Griffin Daniel	
Sosa, Sophia	
Tena-Meza, Stephanie	
Thiengmany, Shaleen R	
Troyozak, Dominique	
Tran, Ayumi	
Varuvel Denison, Deepak	
Viruet Quintero, Olivia Felice	
Wang, Yu Han Daly	
Williams, Samantha Magdalena	
Wong, Emily	
Zhang, Grace	
Zhao, Luke Yuchen	
Students on Wait List	
Linhares-Huang, Cameron ines Ohera	
O'Malley, Seamus Patrick	
Sandoval, Brianna	
Alex, Sommer	

If your name doesn't appear on this page, enter it on the following sheet

Leftovers from Tuesday



- ▶ Persistent vegetative state - loss of higher brain functions, now called **unresponsive wakefulness syndrome**
- ▶ Everybody has something beneficial to contribute
- ▶ A disease is a health condition that could limit an individual's ability to engage in activities of daily living. It could be a temporary situation.



Terry Schiavo

Leftovers from Tuesday



- ▶ Assistive Technology = AT
- ▶ “~~Assistive Tech~~”
- ▶ “Wheelchair Bound”



Tuesday, January 14th



Creating Assistive Technologies -
Understanding the Problem

Gayle Curtis - UX Design Consultant

Today's Agenda



1. Introduction of Course Resource People
2. Overview of PRL and Room 36 Resources
3. Considerations for Project Selection
4. Brief break
5. Project Pitches
6. Open time with Project Suggestors

Course Resource People

- ▶ Deborah E. Kenney, MS, OTR/L
- ▶ Douglas F. Schwandt, MS





Olivia Schroeder

PRL Course Assistant &
Former ENGR210 Student



PRL Overview

- ❖ Design and Manufacturing
- ❖ Open to any current Stanford student (**no fee!**)
- ❖ Any project*: personal or class related
- ❖ Tools and Workspace
- ❖ Training, Advice, and Inspiration from our talented and knowledgeable faculty, staff, course assistants, and user community

* Excluding for-profit projects and weapons or other safety risking projects



PRL Leadership Team



Craig Milroy
Director, Senior Lecturer



Marlo Kohn
Associate Director, Senior
Lecturer



Dan Somen
Technical Director, Lecturer



Anna Boslough
Lecturer

2025 PRL Course Assistants





STANFORD PRODUCT
REALIZATION LAB

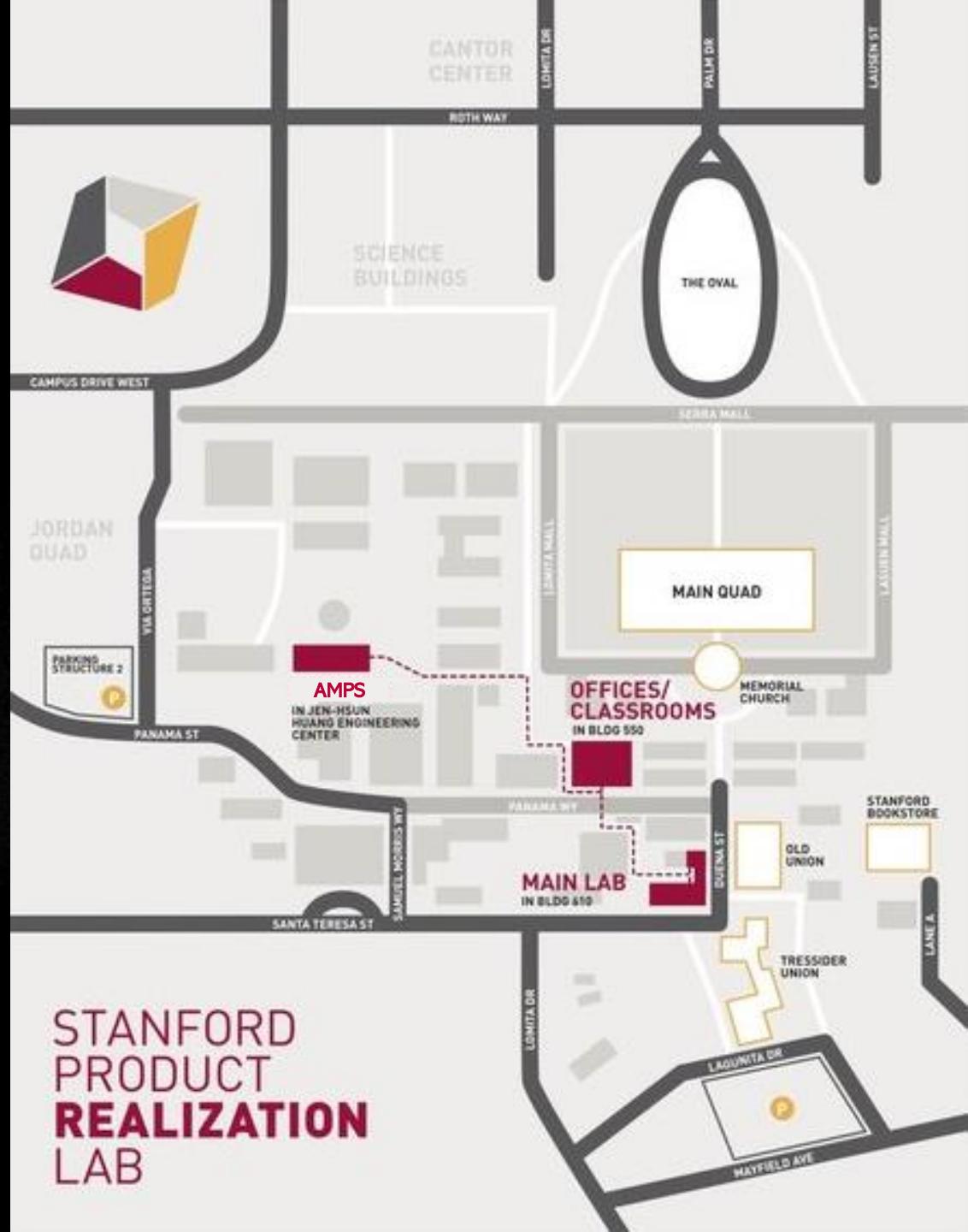
How to Get There

Main Lab

Building 610

AMPS

Basement of Huang



STANFORD
PRODUCT
REALIZATION
LAB

Resources: AMPS



Rapid
Prototyping



Laser Cutting



3D Printing



Sewing



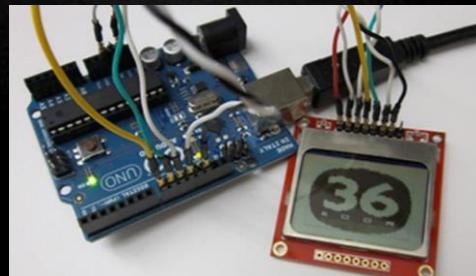
3D Scanning



Vinyl Cutting



Foam Cutting



Electronics



Photo Booth



Materials*



Resources: BLDG 610



Machining



Casting



Welding



Sheet Metal
Forming



Woodworking



Silicone Molding



Injection Molding



Materials*



The Most Important Resource ... COMMUNITY!

- ❖ Come meet other makers
- ❖ Get advice / support from CAs and fellow students
- ❖ Make friends!
- ❖ Learn together

How to Get Started

- ❖ Visit Webshop <https://webshop.stanford.edu>
- ❖ Create a login profile with your student ID number
- ❖ Take the online safety quiz (roughly 10 mins)
- ❖ Sign up for and complete in-person safety training
(roughly 45 mins)
- ❖ That's it! Then come in and use the PRL!

SEE YOU
SOON!

<https://productrealization.stanford.edu>

Candidate Team Projects



- ▶ For students taking the course for **three credits**: Use Google Form at [**http://engr110.stanford.edu/01b**](http://engr110.stanford.edu/01b)
- ▶ As each project is pitched, review its project description on the course website
- ▶ Take notes to help you determine your interest priority.
- ▶ At the end of all presentations, review your notes and select your **top five** project preferences.
- ▶ Speak to the Project Suggestors after the pitches for more information.
- ▶ Don't forget to **submit** the form today.
- ▶ I will compile all project choices on the course website to facilitate project selection and team formation (3 or 4 students per team)

Team Project Selection

For those working on a Team Project:

- ▶ Bring up Google Form:
<http://enr110.stanford.edu/01b>
- ▶ Read team project descriptions on course website
<http://web.stanford.edu/class/enr110/team-projects.html>
- ▶ Fill out Project Preferences Form during pitches
- ▶ Talk to Project Suggestors after the pitches

Project Preferences for Students Working on a Team Project

Form description

This form is automatically collecting emails for Stanford University users. [Change settings](#)

Name*

Short answer text

Short Description - Provide a short description to aid in team formation including previous student project experience; skill & expertise in fabrication, presentation, and report writing; available time in quarter (workload); and passion for working to benefit people with disabilities and older adults.

Long answer text



Team Project Selection

For those working on a Team Project:

Kitzmann, Mathilda



Senior
ME & Psychology

Short Description:

I am a senior in MechE on the product realization track. Through that I got some experience in manufacturing methods. In my capstone project we are working on the manufacturing process of a wheelchair.

- ▶ Project preferences will be posted on the course website, instructions and the link will be provided after I finish entering data.

Winter 2024 - ENGR110/210 Student Team Project Preferences -																		
Students ▼ / Projects ►	Project Name ►	Treats for Nathan	Enhanced Visibility	Rain Shield	Storage Solution	Universal Holder	Nathan's Leash	Magical Bridge 1	Magical Bridge 2	Swimming Prosthetic	Dancing with AT	Dog Kennel	Poop Manage	Laptray Project	Treats for Korey	Designing Afterlife	Creative Expression	Student-defined
	Suggestor ►	Abby	Abby	Abby	Abby	Abby	Abby	Olenka	Olenka	Gary	Kinematic	Danny	Danny	Danny	Danny	Dave	Dave	Dave
Bell, Spencer																		
Buck, Ginger Ann																		
Burrell, Lucy McCarthy																		
Charity, Emma Tyree																		
Contreras-Forrest, Ezekiel Earl																		
Correa, Isabella Cailey																		
Dao, Hana Diem																		
Diaz, Carlos																		
Hsia, Senkai																		
Ibrahim, Imaan Jasmine																		
Jemal, Nejat Shah																		
Keneley, Lance A																		
Kitzmann, Mathilda																		
Li, William Z																		
Linhares-Huang, Cameron Ines Ohara																		
Mirafat-Salo, Rahi																		
Moore, Dylan James																		
Painter, Jackson Wells																		
Park, Emily																		
Ramos, Liam Jose																		
Sanchez, Maria Isabel																		
Schroeder, Olivia Cyan																		
Sogade, Tomi Olumitomi																		
Stein, Renn Taylor																		
Ung, Iris Vy																		
Woo, Marisa Wenshan																		
Wu, Song																		



Considerations for Team Project Selection



Course load

- ▶ Students average 5 hours/week on their project in this course.
- ▶ Can you spend the time working on a project? Courses like ME103, ME170, ME203, ME210, ME218, ME310, and BioE141 are very demanding.
- ▶ Are you a TA or CA?
- ▶ Do you have athletic practices?

Fabrication skills

- ▶ Have you built anything before?
- ▶ **Would you be a good team member?**

Why you may want to



If you have enrolled for **three units**, you may want to consider taking the course for one unit or **waiting until next year** if:

1. You are **not** graduating, or
2. If you have limited fabrication experience, or
3. If you are already taking a project course like ME112, ME170, ME203, ME210, ME218, ME310, BioE141, or ...
4. If you have to miss lectures or field trips, or
5. You are unable to devote **5 hours per week** to your project.

Take it twice!



Team Project Selection

For those working on 3 credit unit Team Projects:

- ▶ Pursue project pitched by Suggestor
- ▶ Meet with Dave for suggestions
- ▶ Weekly Progress Reports - alternate between:
 - ▶ In-person meetings (with Dave, Lance, or Mathilda)
 - ▶ Emailed progress report
- ▶ Photo documentation of project
 - ▶ Photos of individual students or entire student team for Report & Presentation Cover Page
 - ▶ Photos of team working with user and fabricating prototypes
 - ▶ Photos of final prototype stand-alone and with user and with user & team



Individual Project Selection

For those working on 1 credit unit Individual Projects:

- ▶ Research an assistive technology topic
- ▶ Work on a CAD design of an assistive technology device
- ▶ Fabricate a functional prototype
- ▶ Build an appearance model
- ▶ Create a work of art
- ▶ Engage in an aftermarket aesthetic design
- ▶ Engage in an aftermarket functionality / usability design
- ▶ Optionally pair with another student for Understanding the Problem and Brainstorming
- ▶ Meet with Dave for suggestions and approval



Project Preferences



- ▶ Email Dave with selected project, team members, project name (optional) by **Tuesday, January 14th**
- ▶ First to email gets the project
- ▶ Prepare to “hit the ground running” by:
 - ▶ **Meeting with your teammates**
 - ▶ Connecting with your Project Suggestor
 - ▶ Connecting with Dave, Lance, or Mathilda



Short Break

- ▶ Fill out Class Session Attendance Sheet

01a ENGR110/210 Enrolled Student Attendance List	
January 10, 2023	
Students listed in <i>italics</i> are enrolled for 1 credit unit	
Email address @stanford.edu	Name of Enrolled Student
Adebayo, Sola	
Aydin, Beste	
Barnard, Nathaniel Alan	
Black, Lucy Victoria	
Cazares, Isaac Anthony	
Chang, Athena	
Chang, Chih-Ling	
Consul, Saksham	
Contreras-Forrest, Ezekiel Earl	
Diaz, Carlos	
Fischer, Rodolfo Henrique	
Francis, Cherie Chelsea Alanna	
Gabriel, Ari	
Garza, Aaron	
Gil-Silva, Josue	
Heng, Kimberly Ann	
Higgins, Elijah	
Hsu, Evan N	
Huang, Catherine	
Huang, Ethan	
Jia, Rebecca Ran	
Johnston, Corazón A.	
Joshi, Pranil Satish	
Kalandarova, Kohl	
Karita, Uwizewena Sonia	
Kern, Kelly Mackenzie	
Kohga, Mahr	
Kwon, Andrea	
Lescar, Sasha Roland Abraham	
Li, Kalie	
Lim, Ian	
Liu, Angels J	
Liu, Janet	
Lopez, Fatima Guadalupe	
Maeda, Harumi	
Mathews, Quinn Jack	
Email address @stanford.edu	Name of Enrolled Student
Miller, Barrett Andrew	
Mossmer, Nicole Elise	
Murphy, Matt	
Nambe, Ayumi	
Opferman, S G	
Palmer, Jasmin Elena	
Quiroz, Jessica Cittalli	
Ramos Escoto, Omar Enrique	
Redic, Darren Troy	
Rieken, Merissa Bryn	
Robinson, Kameron Jarod	
Schroeder, Olivia Cyan	
Seybold, Maddy Marguerite	
Singh, Riddhi Kapoor	
Somaratne, Griffin Daniel	
Sosa, Sophia	
Tena-Meza, Stephanie	
Thiengmany, Shaleen R	
Toyozaki, Dominique	
Tran, Ayumi	
Varuvel Dennison, Deepak	
Viruet Quintero, Olivia Felice	
Wang, Yu Han Daisley	
Williams, Samantha Magdalena	
Wong, Emily	
Zhang, Grace	
Zhao, Luke Yuchen	
Students on Wait List	
Linhares-Huang, Cameron Ines Ohara	
O'Malley, Seamus Patrick	
Sandoval, Breanna	
Alex, Sommer	

If your name doesn't appear on this page, enter it on the following sheet



Online Project Preferences Google Form



<http://enr110.stanford.edu/01b>

Project Preferences for Students Working on a Team Project

Form description

This form is automatically collecting emails for Stanford University users. [Change settings](#)

Name *

Short answer text

Short Description - Provide a short description to aid in team formation including previous student project experience; skill & expertise in fabrication, presentation, and report writing; available time in quarter (workload); and passion for working to benefit people with disabilities and older adults.

Long answer text

Perspectives in Assistive Technology - Winter 2023
Project Preferences for Students Working on Team Projects (3 credit units)

Student name: _____

As each project is pitched, indicate your general interest in one of the first three columns with a ✓ or ✗. At the end of the all the presentations, select your top five project preferences in the fourth column - optionally providing an ordinal (1st, 2nd, 3rd, 4th, 5th) ranking.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Indicate Top Five	Project Name
				1. Communication Aid for Nathan - Abby
				2. Alert Project - Abby
				3. Rain Shield Project - Abby
				4. Mobile Laptop and iPad Computer Support - Abby
				5. Accessible Storage Solution - Abby
				6. Leash Project - Abby
				7. Bass Reduction Project - Cat
				8. Aesthetic Prosthetic Leg Project - Mary
				9. Projects at the Magical Bridge Playground - Olenka
				10. Water Bowl for Danny's Service Dog Korey - Danny
				11. Leash Project for Danny & Korey - Danny
				12. iPhone Project - Danny
				13. Laptray Project - Danny
				14. Designing Your Afterlife - Dave
				15. Creative Expression - Dave
				16. Student-defined team projects - See Dave for approval

Team Projects Pitched by Suggestor



- ▶ Projects with **Abby**:
 - ▶ Enhanced Visibility Project for Abby's Wheelchair
 - ▶ Rain Shield Project
 - ▶ Universal Water Bottle and Phone Holder
 - ▶ Laptop Storage
 - ▶ Laptray Artwork Easel
- ▶ Projects with **Olenka** at the Magical Bridge Playground:
 - ▶ Accessible & Inclusive Playground Attractions (pitched by ...)

Team Projects Pitched by Suggestor



- ▶ Project with **Gary**:
 - ▶ Swimming with a Prosthetic Device
- ▶ Projects with **Danny, Kiara, Stanford, and Korey**:
 - ▶ Poop Management for Danny's Service Dog Korey
 - ▶ Treats for Korey
 - ▶ Water Bottle Opener for Danny
 - ▶ Obstacle Detector

Projects Suggested by Dave



- ▶ Creative Expression
- ▶ Designing Your Afterlife
- ▶ Student-defined Projects

Projects with Abby

- ▶ "I am mobility impaired, 4'11" tall, and only able to lift 10 pounds. I am very active in advocacy and social justice issues, especially focusing on individuals with disabilities. I speak at national conventions for many organizations."

- ▶ Challenges to address:

- ▶ Enhanced Visibility Project
- ▶ Rain Shield Project
- ▶ Universal Water Bottle and Phone Holder
- ▶ Laptop Storage
- ▶ Laptray Artwork Easel



Abby & Nathan

On deck: Olenka



Play video



Enhanced Visibility Project



- ▶ Explore ways to enhance the nighttime visibility of Abby's wheelchair.



[Play video](#)

Rain Shield Project



- ▶ Explore designs for a suitable covering (a garment or wheelchair / scooter accessory) to protect Abby and her mobility device.



[Play video](#)

Universal Water Bottle and Phone Holder



- ▶ Explore designs for a water bottle and phone holder that she can easily access.



[Play video](#)

Laptop Storage



- ▶ Explore alternative storage solutions for Abby's Mac laptop which don't rely on a backpack attached behind her wheelchair seat.



[Play video](#)

Laptray Artwork Easel



- ▶ Explore designs for a wheelchair-mounted easel.



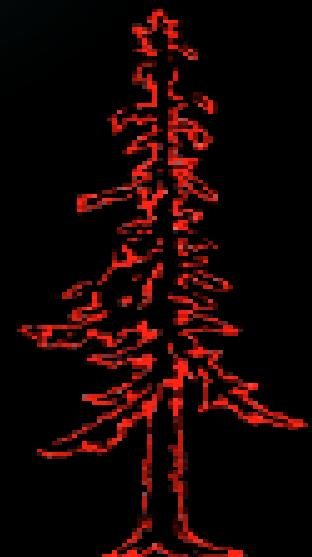
[Play video](#)



Magical Bridge Foundation

Playgrounds & Programs Designed for
All Ages and Abilities

Olenka Villarreal, CEO + Founder
January 9, 2025



1 in 4



PEOPLE ARE LIVING
WITH A DISABILITY

1 BILLION WORLDWIDE

10% of disabilities look like this....



and 90% look like this.



THE DISCOVERY

ADA
(10%)



Overlooked in Playground
Design (90%)

Autism Spectrum Disorder

Physical Impairments

Visual/Auditory Impairments

Sensory Impairments

Cognitive Disabilities

Older Adults

Medically Fragile

Wheelchair Users



Typical Playground

Inclusive? Accessible? No

ADA Compliant? ***YES***



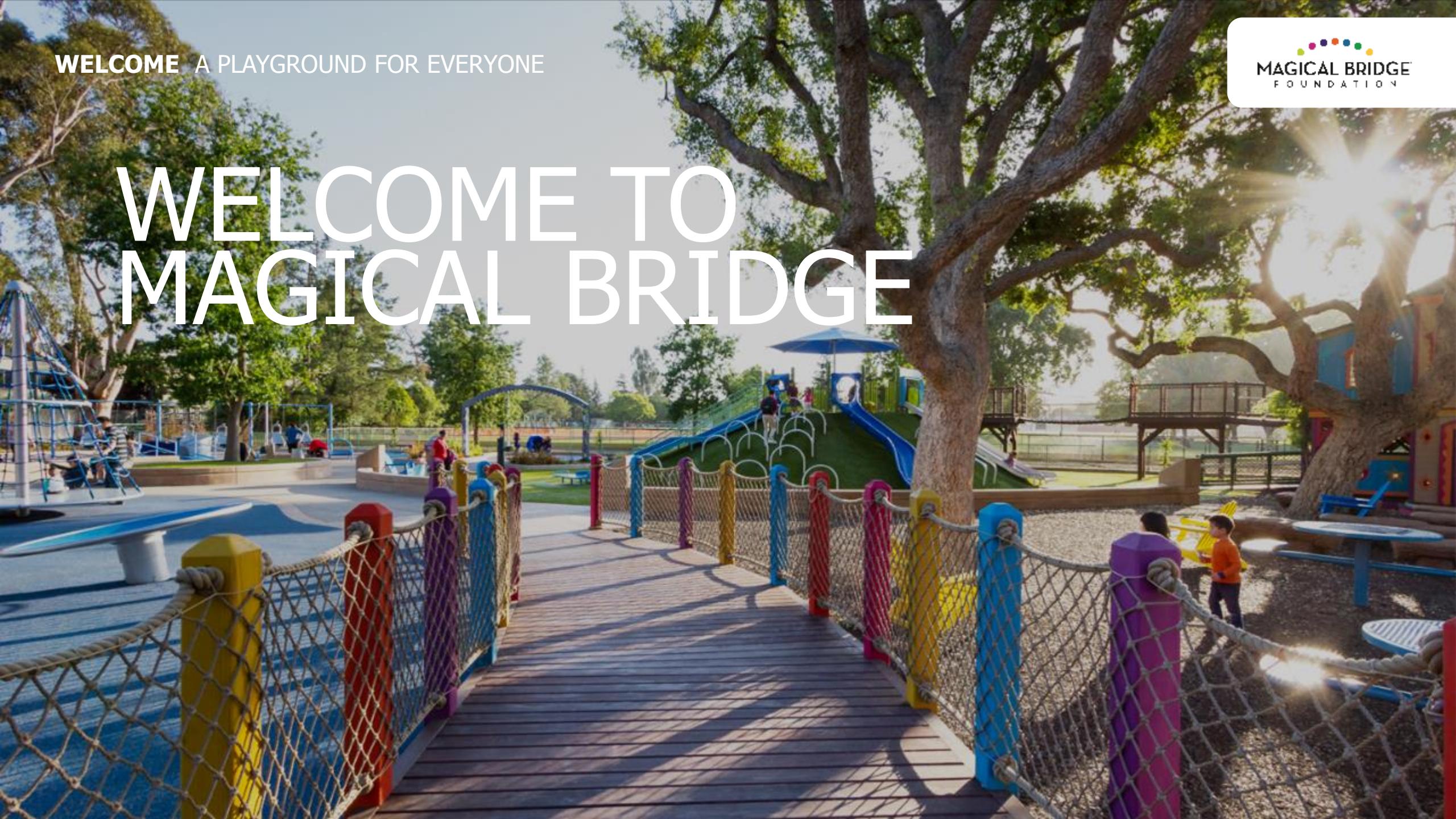
Typical Playground



WELCOME A PLAYGROUND FOR EVERYONE



WELCOME TO MAGICAL BRIDGE



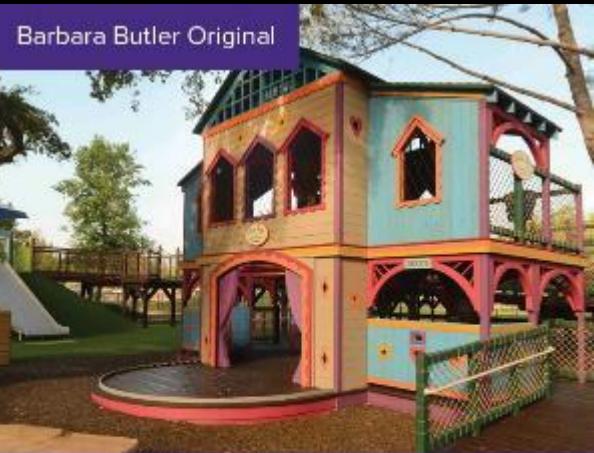
MAGICAL BRIDGE THE NATION'S MOST INCLUSIVE AND INNOVATIVE PLAYGROUND OPENED 2015



PLAY ZONES™ PREDICTABLE, DISTINCT PLAY EXPERIENCES, CHALLENGES, MOVEMENT, AND CHOICE



Slide Mound



Community Playhouse
and Stage



Spin Zone



Innovation Zone



Swing and Sway Zone



Tot Zone



Kindness Corner



Hideaway Huts

9

Magical Bridge Playgrounds Open:

Mitchell Park, Palo Alto, CA - 2015

Red Morton Park, Redwood City CA - 2020

Community Park, Morgan Hill, CA - 2022

Fair Oaks Park, Sunnyvale, CA - 2022

CuriOdyssey, San Mateo, CA - 2021

Addison Elementary, Palo Alto - 2021

El Carmelo Elementary, Palo Alto - 2023

Claudesland, Hamilton, New Zealand - 2023

Central Park, Santa Clara, CA – 2024

COMING SOON:

Rengstorff Park, Mountain View, CA – Jan 25th!

Daly City, CA

East Palo Alto, CA

Singapore Sun Park Plaza ... *and more*

Mitchell Park, Palo Alto, CA



Red Morton Park, Redwood City, CA



Fair Oaks Park, Sunnyvale, CA



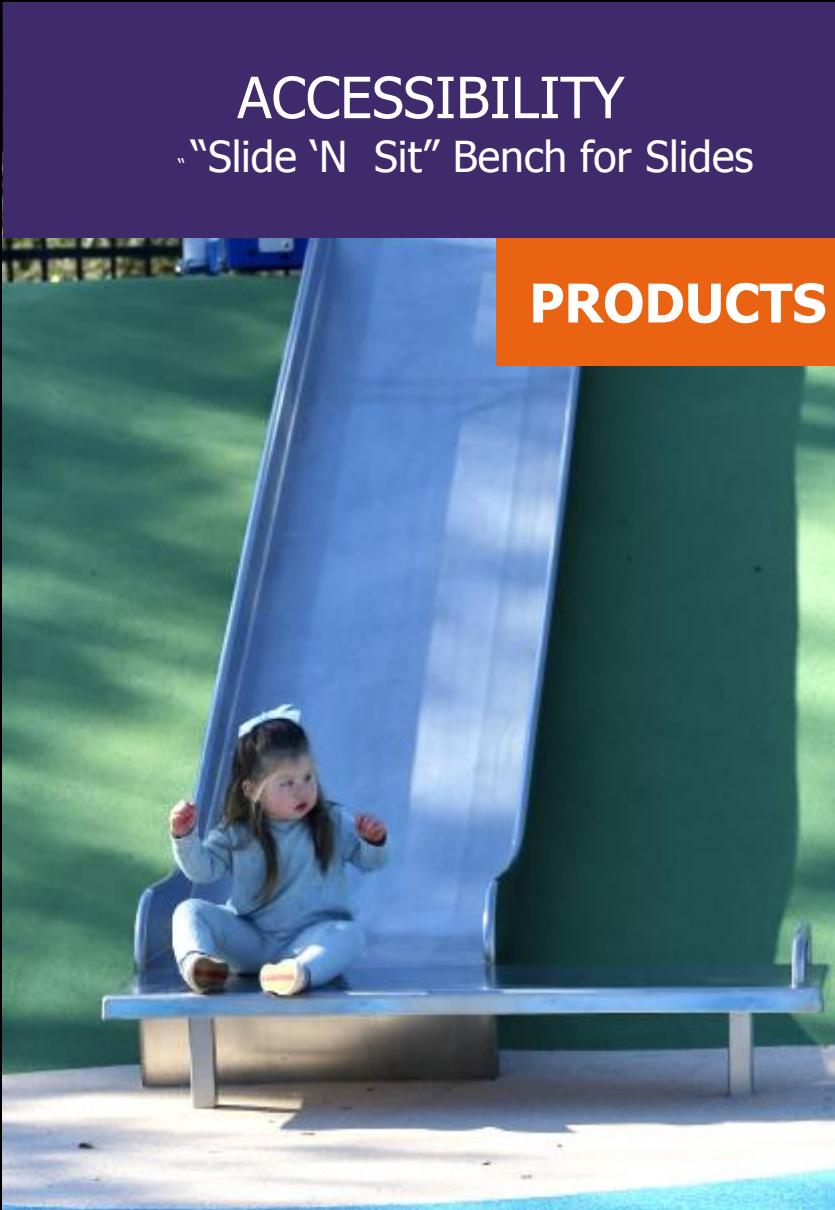
Community Park, Morgan Hill, CA

FOCUS ON GROUNDBREAKING CONCEPTS AND ACCESSIBILITY



TECH

PLAY
24-String Laser Harp and Drum Pads



ACCESSIBILITY
"Slide 'N Sit" Bench for Slides

PRODUCTS



SOLUTIONS

INCLUSION
Space to Retreat from Active Play

THE OPPORTUNITY - DESIGN FOR ALL AGES AND ABILITIES



ALL ABILITIES • ALL AGES • ALL WELCOME



TECH

NEW Interactive Experiences: Music, Touch, Games

PRODUCTS

NEW Sensory Experiences for People with Autism

SOLUTIONS

NEW Engaging Fitness Equipment for Older Adults

JOIN US magicalbridge.org

JOIN OUR MAGICAL MOVEMENT

Design for all,
ALWAYS!

MAGICAL BRIDGE
FOUNDATION



Thank you for
your kind attention!

Project with Gary - Beach Prosthesis



- ▶ Walking on the beach and going in the water with a Prosthetic Device
- ▶ Prosthetic limbs are made from a variety of materials, most of which are dirt and water resistant
- ▶ Salt water and sand present a very different set of problems



On deck: Danny, Stanford, and Kiara

Beach Prosthesis

- ▶ Salt water and metal (even stainless steel) causes corrosion and destruction if not removed immediately
- ▶ Sand gets into everything especially foot shells that cover carbon fibre feet and destroys the carbon fibre and the covering
- ▶ Sand and water also get between the limb and the prosthesis causing loss of suspension, skin irritation and injury



Beach Prosthesis



- ▶ Current solutions are inadequate
- ▶ They slide down and don't seal well
- ▶ Do not allow the foot and knee to function adequately
- ▶ They are unattractive
- ▶ They are not durable
- ▶ They float in the water making swimming difficult



Beach Prosthesis



- ▶ Looking at a below the knee prosthesis
- ▶ Project is to explore solutions that would reduce the issues related to sand and salt water
- ▶ AND
- ▶ Still allow full function of the prosthetic foot and human knee range of motion

Projects with Danny, Kiara, Stanford & Korey



- ▶ Poop Management Project
- ▶ Treats for Korey
- ▶ Water Bottle Opener
- ▶ Obstacle Detector

Danny is a wheelchair user from Los Gatos with cerebral palsy. He experiences limited upper body strength, grip & vision impairments, and diminished hand & finger dexterity.



On deck: Dave



Play video

Poop Management Project



- ▶ Explore designs for a poop management system for Danny's service dog Korey.

Treats for Korey



- ▶ Explore solutions that would enable Danny to independently reward Korey.

Water Bottle Opener for Danny



- ▶ Explore designs that would enable Daniel to independently open a water bottle.

Obstacle Detector



- ▶ Explore designs to detect curbs, drop-offs, and obstacles and alert Danny.



Smile and the World Will Smile Back

Dave's Suggested Projects

- ▶ Designing Your Afterlife
- ▶ Creative Expression
- ▶ Student-Defined Team Projects



Designing Your Afterlife



- ▶ Designing Your Afterlife - Dave
- ▶ Explore ways to preserve one's essence after death. In the technology extreme, this might manifest itself as an interactive system that responds to queries, retells stories, relates experiences, shares expertise, and expresses humor. The pre-dead user would be able to create and program his / her eternal computer-based persona before her / his demise.



Creative Expression



- ▶ Creative Expression - Dave
- ▶ Explore ways to enhance creative expression for people with disabilities. This could include the creation of new activities or fabrication of new tools.



Photos Tim Smith

Creative Expression using an Instrumented Wheelchair

- ▶ Explore ways to enhance creative expression for people with disabilities, especially those who use wheelchairs. This could include the creation of new activities or fabrication of new tools.



Student-defined Team Projects



- ▶ Student-defined Projects - Dave
- ▶ Interview, observe, and discuss assistive technology problems with an individual with a disability or older adult. Address their desire to participate in one of the following activities by designing an adaptation to an existing device / tool or creating a new, more useful one:
 - ▶ Activities of daily living
 - ▶ Sports and exercise
 - ▶ Leisure activities and hobbies



Open Question Time and Non-Random Access



Who is
working on
projects?

Get more
info from
project
suggetor

Identify
others
interested
in same
projects



Talk with Project Suggestors to get more
information on projects

What are
your project
preferences?

Rank your top
choices

Hand in your
Project
Preference
Sheet!

Have course
questions?
Ask Dave

See Dave if you
want to work on a
project that he
suggested