



A design consultancy offering collaborative and interdisciplinary opportunities for students to work on accessibility and medical care challenges.

Dan Harel

IdeaLab & Studio930 manager

Stan Rickel

Studio-930 inventor

Dan Phillips

LiveAbility Lab director

**Simone Center for Innovation
& Entrepreneurship**

Rochester Institute of Technology

Summer 2022

17 participating students & 7 coaches & mentors

Industrial Design

- Chase Kahn
- Jayden Zhou
- Semy Kong
- Hannah Ni
- Yuxin Ye
- Jacqueline Qiu
- Anqi Zhu
- Emma Scheinbart
- Chungmin Park
- Yannan Pan
- Shen Liu

Mechanical Engineering

- Steven Miller

Bio-medical Engineering

- Sandra Lwin
- Zoii Henry

Anthropology/Sociology

- Angeline Hamele

School of Individualized Study

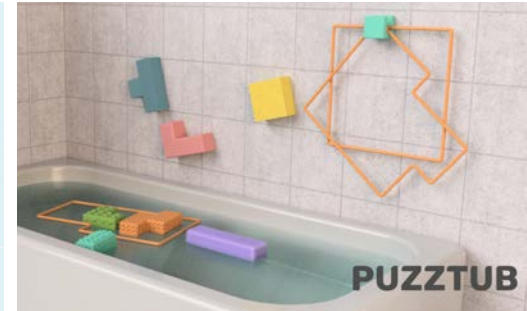
- Brent Shaub
- Nathanael Thomas

Coaches & Mentors

- Dana Wolcott
- Joe Allgeier
- Liza Savage-Katz
- Aaron Burton
- Dan Phillips
- Stan Rickel
- Dan Harel

Inclusive sensory game

A floating exercise therapy tactile puzzle game that attracts the mind and encourages play for children including those with autism.



An interactive system for installation in outdoor public places that encourages everyone's participation in play and promotes inclusivity.



Relearning how to walk after orthopedic surgery

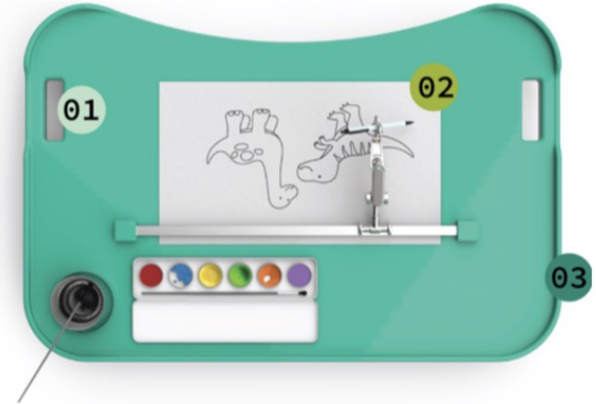
A device that can be attached to a patient's foot (or both feet) to sense, display, and record pressure/force applied during a physical therapy session.



A mobile bar that is safe to use when independently transferring out of the wheelchair between two points at home.

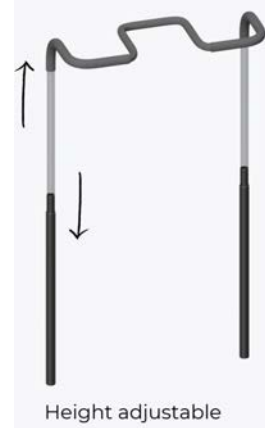


A method for promoting sensory and social growth through adaptable toy design.



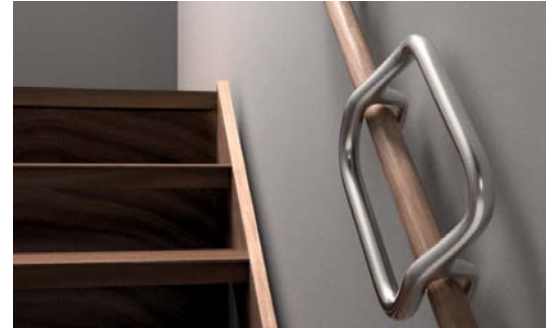
- 01 Accessible Straps for mounting on wheelchair
- 02 Adaptable drawing tool robot
- 03 Switch adaptive port

An add-on to an existing wheelchair that optimizes the ability to move it regardless of the angle of the seat.



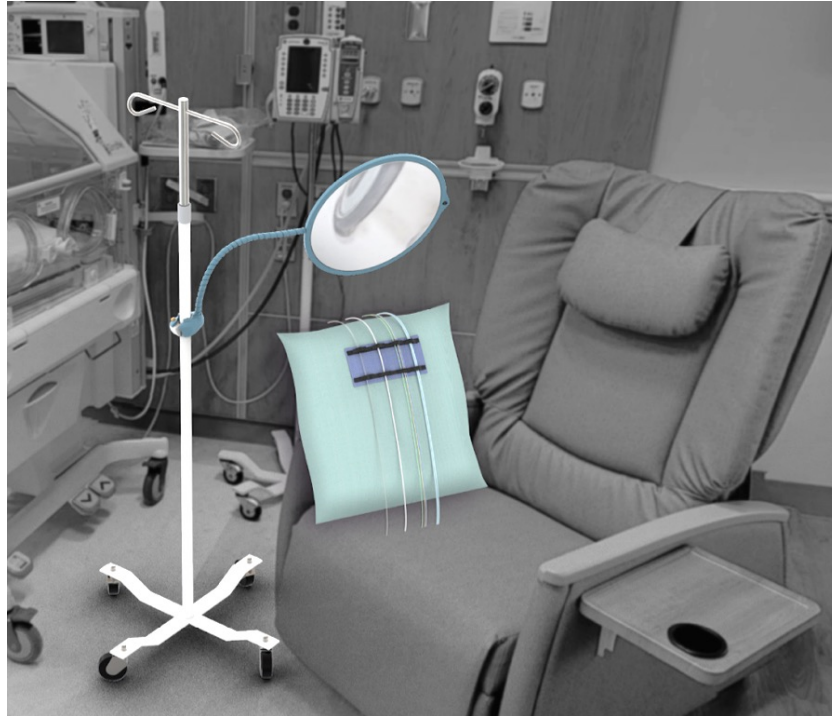
Adjustable railing

An external handrail method that may distract an individual from feeling anxious when attempting to climb up and down the stairs.



A more comfortable and informative resting area for mothers at NICU (Neonatal Intensive Care Unit) to safely care of their premature infant including an ability to see the baby's face during that time.

Summer 2022



An accessible and comfortable bathroom for all.



Building test model

Contamination prevention (using instant formula)

An improved delivery methods of instant formula for infants in developing nations in order to prevent cross contamination.



The powder straw



UV-filter baby bottle



The U.D.R.



The milk box

Contamination prevention (using breast milk)

A method for avoiding infants' exposure to bacterial infection (in contaminated food) that could affect their immature immune system and gastrointestinal tract.

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Further development options

- Simone Center for Innovation & Entrepreneurship
- Multi-disciplinary Design (MSD) - Engineering
- Studio 930 (collaborative)
- Independent study
- Industrial design program