Assistive Technology Faire - 2024

This 12th Annual Assistive Technology Faire provides an opportunity for students and community members to get an up-close look at a variety of devices and learn about available services. Users of assistive technology products as well as small companies and agencies serving individuals with disabilities and older adults will bring assistive technology devices to display, demonstrate, and discuss.

Sample questions to ask vendors:

What problem does the device or service address?
Who benefits from its use?
How many potential users are there?
How is your device or service better than others?

What design / development process was pursued?
How many prototypes were made before commercialization?
How do you advertise your products or services?
Are your products covered by insurance or Medicare?

Interactive Control of a Virtual Robotic Arm

Assistive Robotics and Manipulation Laboratory – Shavani Guptasarma
At the ARM Lab, the Intelligent Prosthetic Arm (IPARM) project has built an immersive simulation platform to improve the control of powered prosthetic arms using computer vision and augmented reality.

BeeLine Reader

BeeLine Reader, Inc - Nick Lum
"**BeeLine Reader** is a software tool that improves reading ability by displaying text using a color gradient that wraps from the end of one line to the beginning of the next. This gradient pulls the reader's eyes through the text, making reading easier. This approach is especially helpful for readers with dyslexia, ADHD, and various vision impairments. Thanks to the Schwab Learning Center, BeeLine Reader's tools are available for free to all Stanford students."

Silicon Valley Independent Living Center

SVILC Assistive Technology Specialist - Joe Escalante
Silicon Valley Independent Living Center (SVILC) is a cross-disability, intergenerational, and multicultural disability justice organization that creates fully inclusive communities that value the dignity, equality, freedom and worth of every human being. SVILC maintains a lending library of assistive technology so consumers may borrow a device free of charge and try it before buying it, use it to compare similar devices, or to use while a personal device is being repaired.

DUG - A Communication Device to Prevent People from Distracting Service Dogs

Team DUG - Stephen G. Opferman
DUG is a commercial Bluetooth speaker attached on the service dog owner, service dog, bags, or mobility device, along with a custom-built microprocessor-based remote control worn or held to trigger pre-recorded audio messages that inform people not to distract the service dog. This student project from 2023 has been awarded second place in RESNA's Student Design Challenge at its Annual Conference held in New Orleans.

911Finder Cellular Watch

911 Tracker - Chuck & Susan Roedel
"The 911Finder serves people with dementia, Alzheimer's, Autism, or who are prone to wander - featuring fall detection with GPS. It provides peace of mind for the caregiver that the wearer is safe. The wearer and caregiver can call each other with the touch of a button. The caregiver's 911Finder App receives an alert if the wearer is outside a Safe Zone or falls. If the caregiver believes the wearer is having an emergency, the App can command Finder to use its patented method to make a 3-way call between the caregiver and the 911-Operator located nearest the wearer. Finder provides real-time GPS to help First Responders get to the wearer quickly."

TINA

TINA Healthcare - Ali Kight, PhD Candidate and Founder
TINA Healthcare has built the first assistive device for menstruation. Our product, TINA, the Tampon INsertion Aid, is a reusable device that clips onto off-the-shelf tampons and facilitates insertion and removal. TINA was originally designed for people with spinal cord injuries but now supports people with a broad range of mobility limitations and body types. TINA Healthcare's mission is to build a suite of products that enables and empowers everybody to manage their menstrual cycles and reproductive health with ease and comfort.