



Welcome to the 13th Annual Assistive Technology Faire

Brought to you by

Perspectives in Assistive Technology

Vendors



- ▶ **Silicon Valley Independent Living Center** - Joe Escalante
- ▶ **PocketDot** - Divya Adil & David Madey
- ▶ **BeeLine Reader** - Nick Lum
- ▶ **SignUp** - Mariella Satow
- ▶ **Amazon Accessibility** - Gyana Dash, et al
- ▶ **Robot MOMO** - Youngseop Yoon, Jelie Meow, Danny Lee
- ▶ **Lotus Ring** - Dhaval Patel
- ▶ **Third Arm** - Prof Kenneth Salisbury
- ▶ **Duet: Brainwaves to Music** - Sophia Zhang & Justin Wu
- ▶ **Jeeves** - Sandeep Dutta
- ▶ **Brava Smart Oven** - Travis Rea & Zac Selmon

Thank you for your participation!

Silicon Valley Independent Living Center



Silicon Valley Independent Living Center - 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.

PocketDot



Adil Jussupov & David Madey



PocketDot is a Braille display that provides visually impaired and blind individuals with private and convenient access to texting, web browsing, and other textual communication with their mobile phones.

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.

SignUp



Mariella Satow



SignUp Media is an app that overlays a sign language interpreter on streaming platforms, providing full media accessibility to the Deaf community. Available with a simple one-click installation for movies and TV shows on Netflix and Disney+.

Amazon Accessibility



Amazon - Mark Tumura, Susan Lin, Gyana Dash, Bofei Wang, Sneha Veerank, and Jared Penner



- ▶ "Amazon's vision is to be Earth's most customer-centric company. Our goal isn't simply to make things accessible, but to make products, services, and experiences that are delightful for customers with disabilities."
- ▶ Customers can use Fire tablets with Bluetooth refreshable braille displays, customize their reading experience on the Kindle application, and navigate and interact with their Fire tablet with Switch Access. They can enjoy Fire TV's rich set of accessibility features, including the award-winning VoiceView screen reader, audio support for compatible hearings aids for private listening, Text Banner which adds a compact and customizable written banner that appears in a fixed location on the screen, and more.

Robot MOMO



Whydots - Youngseop Yoon, Jelie Meow, Danny Lee



MOMO is an AI-powered robotic companion for children with developmental disabilities. It enhances emotional comprehension, social skills, and cognitive development. MOMO uses AI to facilitate personalized conversations tailored to each child. It helps children recognize and express emotions through interactive content, and encourages empathy through fun activities such as storytelling and games. MOMO has penguin-inspired design and a touchscreen interface. It uses customizable materials to ensure comfort and accessibility. The robot is user-friendly and suitable for children aged 3 and above. Validated through clinical studies, MOMO is suitable for use in both home and institutional settings, supporting balanced development for children.

Lotus Ring



Lotus - Dhaval Patel



For people with limited mobility, **Lotus** is a patented wearable ring to control objects at home by pointing. With Lotus, control anything a wall switch controls, like lights and fans - and even the TV - from wherever you are in the room. No rewiring, no apps, no internet.

Third Arm



Salisbury Robotics Lab - Prof Kenneth Salisbury



"We will be demonstrating a wearable **3rd arm** designed for holding objects relative to the wearer. Prototypes and the final version will be available for examination."

Duet: Brainwaves to Music



Stanford Computer Science - Sophia Zhang & Justin Wu



"Duet is a mind-controlled music composer. Users can put on an EEG device, and Duet will live-generate music based off of their emotions. It can help nonverbal/physically disabled people express themselves through music straight from their brain."

Jeeves



Harmony Robotics - Sandeep Dutta



Jeeves is an assistive robot that carries up to 80 lbs. with ease, autonomously navigates the user's home - including scheduled trips to specific spots - follows the user around through gesture-driven operation, features a touchscreen-responsive controller, and offers many more capabilities. This everyday helper transports belongings - including laundry, groceries, and dishes - helps locate items at home, serves as a mobile storage unit, learns and adapts to the user's routine movements, and offers much more. Jeeves supports a more self-sufficient and independent lifestyle for individuals with special needs, wheelchair users, older adults, and many others. In care facilities, Jeeves facilitates round-the-clock resident monitoring and assists with the transport of food and essential care items to residents."

Brava Smart Oven



Brava Home - Travis Rea & Zac Selmon



"Brava's Smart Oven enables safe, independent cooking with a fast, light-based technology. With new and evolving features designed specifically for assistive technology users, Brava is ideal for the blind / low vision, intellectual and developmental disability and/or limited mobility communities. It simplifies meal prep with automated features, guided recipes, and a comprehensive mobile app. Continuous software updates enhance functionality and accessibility, ensuring Brava meets diverse needs and constantly improves the cooking experience for individuals seeking culinary self-reliance."

