Lighting the Path: A Guided Discussion on AT for Dementia

Carolyn Phillips & Liz Persaud Tools for Life
Melany Sattler, SimpleC

www.gatfl.org
For Handouts: http://www.gatfl.gatech.edu/tflwiki

Wednesday, October 29, 2014
2:00 pm to 3:30 pm EST
This Session is being Recorded

- You will be able to access the archive of this and other webinars at www.gatfl.gatech.edu
Credits

- **CEUs** are approved for .15 clock hours and are administered through Georgia Tech Professional Education

- **CRCs** are approved for 1.5 clock hours by the Commission on Rehabilitation Counselor Certification

- To receive your verification form, send an e-mail with the webinar title and date to Liz.Persaud@gatfl.gatech.edu
Webinar Evaluation

At the end of today’s webinar, we ask that you please take a moment to complete our survey:

https://www.research.net/s/TFLwebinar
Welcome to Tools for Life

Tools for Life, Georgia's Assistive Technology Act Program, is dedicated to increasing access to and acquisition of assistive technology (AT) devices and services for Georgians of all ages and disabilities so they can live, learn, work and play independently and with greater freedom in communities of their choice.

Tools for Life and the TFL Network work collaboratively together to accomplish our mission through:
Tools for Life Network

- AT Lending Library
- AT Evaluations & Training
- AT Demos
- Resource and Assistance
- AT Funding Assistance
- DME Reuse
Agenda

- Assistive Technology strategies and solutions can help support those living with and affected by dementia.
- This session will further define dementia, its characteristics, disease process and consequences.
- Presenters will thoughtfully share information on difficulties encountered by individuals living with dementia.
- Provide information on how assistive technology and other adaptive devices can provide much-needed relief and hope, not only to those directly affected, but their family members as well.
- Let us help you "light the path"!

For Handouts: [http://www.gatfl.gatech.edu/tflwiki](http://www.gatfl.gatech.edu/tflwiki)
Dementia is an overall term for diseases and conditions characterized by decline in memory or other thinking skills that can ultimately affect a person's ability to perform everyday tasks.

An estimated 5.2 million Americans of all ages have Alzheimer's disease in 2014.

This includes an estimated 5 million people age 65 and older as well as 200,000 individuals under age 65 who experienced onset at an younger age.

Let us help you "light the path"!
AT Helps!

• Assistive Technology strategies and solutions can help support those living with and affected by dementia who have problems with:
  – speaking
  – hearing
  – seeing
  – moving around
  – getting places
  – memory
  – cognition (thought processes and understanding)
  – daily living activities, such as dressing and preparing meals
  – socializing.

For Handouts: http://www.gatfl.gatech.edu/tflwiki
Why Am I Here Today?

- Master Our Skills!
- Expand Our Knowledge and
- Build Stronger Schools to Create an amazing, Inclusive and United Community!
AMAC Accessibility is a social change organization on a mission to create affordable services for governmental, private and non-profits organization working with individuals with disabilities. Services include e-text, braille, captioning, assistive technology, office management software and consulting.
AMAC creates practical solutions that work, with a focus on utility, ease of use, and high quality.

- **Accessibility Consulting** focuses on organizational accessibility needs with evaluation, technical assistance, customer support, and website accessibility solutions.
- **Braille Services** produces customized projects from both print materials and electronic text including partial books and chapters or graphics only using cutting-edge technology.
- **Captioning Services** makes classrooms, meetings, labs and other audio environments fully accessible for deaf or hard-of-hearing.
- **Professional E-Text Producers** provide high-quality e-text in many formats such as PDF, DOC, DAISY, and HTML.
- **Certified Assistive Technology team** provides on-site and remote assessments, demonstrations, training and technical assistance for education, work, and daily living environments.

For more information, please visit our website at [www.amacusg.org](http://www.amacusg.org)
TechSage (RERC)

- Funded by: National Institute on Disability and Rehabilitation Research (NIDRR), Dept. of Ed
- Timeline: Oct 1, 2013 – Sept 30, 2018
- Amount: $4.6 million ($925k/year) + ~ $1 million GT cost share
- Interdisciplinary: CoA (ID, GIS, AMAC), CoS (Psych), CoE (BME), CoC (HCI/HCC), IPAT (IMTC, Awarehome), GTRI, Emory Ctr. for Health in Aging, CS/Engineering USC
TechSage Mission

To conduct programs of advanced rehabilitation engineering (RE) and technical R&D to increase knowledge about, availability of, and access to effective, universally-designed technologies that enable people to sustain independence, maintain health, safely engage in basic activities of daily living at home and community, and participate in society as they age with disability.
Core Principles and Strategies

• Focus on People with Disability who are Experiencing Age-Related Limitations
• A Basis in User Needs
• UD as the Fundamental Goal of all Efforts
• Multi and Interdisciplinary Approach to Improving Rehabilitation Outcomes
Scope

• Research (Rogers)
  – R1. User Needs (Rogers, Fain, Jones)
  – R2. Effects of Hearing Loss (Bruce, Echt)
  – R3. Exercise Telerobotics (Mitzner, Beer)

• Development (Price)
  – D1. App Development
    • D1.1. Cognitive Training Game (Gandy-Kennedy)
    • D1.2. Route Planning App (Sanford, Guhathakurta)
    • D1.3. Mobile App to Measure Gait (Jones, Johnson)
  – D2. SmartBathroom Technologies (Sanford, Jones)
  – D3. Intelligent Robotics (Kemp)

• Training (Sanford)
  – T1. Online Education (Phillips)
  – T2. Post Secondary Education (Sanford)
  – T3. UD Competition (Rébola)

• Dissemination (Mitzner)
Tools for Life Mission

We’re here to help Georgians with disabilities gain access to and acquisition of assistive technology devices and assistive technology services so they can live, learn, work, and play independently in the communities of their choice.
Tools for Life
Georgia’s Federal AT Act Program

• TFL developed Georgia’s Plan for AT
  – We serve individuals of all ages & all disabilities in Georgia
    • Over 50,000 thru various activities throughout the year

• TFL Network
  • Assistive Technology Resource Centers
  • Lending Libraries
  • Training and Demonstrations
  • AT Reuse
  • AT Funding Education/Assistance and Resources

• Online Resources
  • www.gatfl.org - 5,000 unique visitors a month
Welcome to Tools for Life

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Tools for Life and the TFL Network work collaboratively together to accomplish our mission through:
Get a Financial Loan to purchase AT

The CFII - The Center for Financial Independence & Innovation, Inc. (The CFII) is a nonprofit organization dedicated to helping individuals with disabilities and their family members advance their financial independence and security.

Obtain AT through our AT Cooperative Buying Program

The Georgia AT Depot is a state-wide buying Cooperative for Assistive Technology for customers in the state of Georgia. The Georgia AT Depot is modeled after the Maryland AT Co-op, which has operated a successful cooperative buying program since 1998. The Georgia AT Depot is a collaborating partner with the Maryland Co-op. In this way we can provide Georgia customers the best discounts possible.

Obtain Reused/Gently Used AT Devices

gTRADE, Georgia’s Online Equipment Exchange, encourages members to offer AT and DME for sale or donation to others who may benefit from using technology unneeded by others.

FODAC - Friends of Disabled Adults and Children (FODAC) is Georgia’s statewide provider of home health and durable medical equipment. FODAC has distributed 20,000 wheelchairs and thousands of other pieces of DME since 1986. Internationally, 65 countries have received some equipment over those years.
Join us for Upcoming Webinars and Visit our Archives!

Tools for Life Online Professional Development

• Tools for Life offers online professional development to help you learn more about assistive technology strategies and solutions as well as the most recent information on AT devices and disability related issues and trends. Webinar content and materials are developed and presented by one of the Tools for Life team members along with other regional and national leaders in the assistive technology community.

• TFL presents live webinars on the last Wednesday of every month from 2:00 PM to 3:30 PM EST, unless otherwise noted.

Sign up to be on the TFL mailing list to receive our email announcements! Visit www.gatfl.org or send an email to Liz - liz.persaud@gatfl.gatech.edu
Come Visit Us!

Find Your AT Solutions

Welcome to Tools for Life
Tools for Life, Georgia's Assistive Technology Act Program, is dedicated to increasing access to and acquisition of assistive technology (AT) devices and services for Georgians of all ages and disabilities so they can live, learn, work, and play independently and with greater freedom in communities of their choice.
Tools for Life AT Demo Lab

- Tablets
- Vision Items
- DME
- Communication
- Games
- Software
- Switches
- Keyboards
LED Handheld Magnifier

- Handheld
- LED light provides natural bright lights
- Easy storage
- Reading
- Sewing
Magnifiers

ZoomText is screen magnification software that is available on at least one computer. Look for the ZoomText tool in your software.
Automatic Feeder

• Mealtime Partner
• Different mounts
• Battery operated
• Bowl tops controls amount of food
• Control Pause time between spoonful
• Adjustability of the spoon
VGo Telepresence Robot

- Enables a person to replicate themself in a distant location and have the freedom to move around as if they were physically there
- Reduces travel costs
- School
- Hospital
- Work from home
People with Disabilities in the Work Place

Sector: Business

VGo increases productivity and effectiveness while lowering costs by enabling a person to get to a location instantly and easily. VGo is not designed as a replacement for in-person interaction but rather as the next best alternative to "being" in the workplace. VGo also eliminates the deficiencies associated with other video solutions that are locked to a TV or computer monitor by providing 100% remote controlled mobility.

In addition to "being" at work from home, VGo can help people who can get to the workplace, but who cannot practically move about the facility or campus. A VGo can be used to enable a person to move around in one part of the facility while they are physically in another.

The benefits of using VGo in the workplace include:

- Getting to places previously inaccessible increases opportunities
- Freedom of movement increases personal interaction with others
- Quality of life improvements by expanding the work and social environments
- Costs can be reduced by lowering or eliminating select transportation expenses, and by communications and speeding decision making
Kubi

- Dock your tablet for remote pan and tilt controls
- See and interact with people during a conference call
- Use any Video Client: Skype, FaceTime, Google Hangout, etc.
- Cloud Control
TFL AppFinder

Search by:

✓ App Name
✓ Categories
  – Book
  – Education
  – Environmental Adaptations
  – Hearing
  – Cognition, Learning, Developmental
  – Navigation
  – Personal Care and Safety
  – Productivity
  – Communication
  – Therapeutic Aids
  – Vision
# My Favorite Apps

You searched for: Learning, Cognition, and Developmental

<table>
<thead>
<tr>
<th>Logo</th>
<th>Name</th>
<th>Category</th>
<th>Device Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Tango Video Calls" /></td>
<td>Tango Video Calls</td>
<td>Learning, Cognition, and Developmental</td>
<td>iOS</td>
</tr>
<tr>
<td><img src="image2" alt="iPrompt" /></td>
<td>iPrompt</td>
<td>Learning, Cognition, and Developmental</td>
<td>iOS</td>
</tr>
<tr>
<td><img src="image3" alt="Dragon" /></td>
<td>Dragon</td>
<td>Learning, Cognition, and Developmental</td>
<td>iOS</td>
</tr>
<tr>
<td><img src="image4" alt="iBooks" /></td>
<td>iBooks</td>
<td>Learning, Cognition, and Developmental</td>
<td>iOS</td>
</tr>
<tr>
<td><img src="image5" alt="SayText" /></td>
<td>SayText</td>
<td>Learning, Cognition, and Developmental</td>
<td>iOS</td>
</tr>
</tbody>
</table>

No Ratings

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## Resources

**2013 IDEAS CONFERENCE**

2013 Institute Designed for Educating All Students Conference June 3 - 6, 2013 Epworth by the Sea, St Simons Island

- [Submit a Proposal](#)
- [Conference Website](#)
- [Exhibitor Details](#)

### WEBINARS

- **APR 18** Free for All Resources for Teachers and Students
- **APR 24** Assistive Technology and Adapted Recreation: A Perfect Match

[Current Webinar Schedule](#)

[Webinar Archives](#)

### APP FINDER

...for Living, Learning, Working, and Playing.

### AT ONLINE EXCHANGE

[′tRade](#) Georgia’s Online Equipment Exchange encourages members to offer AT and DME for sale or donation to others who may benefit from using technology unneeded by others.
Which One???
LET’S TAKE A LOOK AT SOME OPTIONS & CONSIDER ACCESSIBILITY
Apple iPad mini

- Multi-touch screen
- New iOS 6
- Millions of apps
- Surf web
- iTunes
- Videos
- Organization
- Accessibility
- Books
- Photos
- Speakers
- 5.0 megapixel camera
- Starts at $329

Height: 7.87 in
Width: 5.3 in
Depth: 0.28 in
Weight: 0.68 lb
Technology Changes Fast

- June 2007- 1st iPhone
- Sept 2007- 1st generation iPod Touch
- October 2008- 1st Android phone sold
- April 2010- 1ST iPad
- 2010- Google launched its Nexus series of tablets and smartphones
- 50 billion downloads!
iOS 8 Preview

Our smartest keyboard ever.

iOS 8 makes typing easier by suggesting contextually appropriate words to complete your sentences. It even recognizes to whom you're typing and whether you're in Mail or Messages. Because your tone in an email may be different from your tone in a message.

Learn more ›
iCloud Drive.
Any kind of file.
On all your devices.

The good news: You can work on any file, anywhere. The bad news: You can work on any file, anywhere. That includes presentations, PDFs, images, and more — right from iCloud. On whichever device you’re using, including your Mac or PC.

Learn more ›
Health.
An entirely new way to use your health and fitness information.

Now your activity tracker, heart rate monitor, and other health and fitness apps can talk to each other. Which means they’ll be able to work even harder for you. And all the information is accessible in one easy-to-read dashboard.

Learn more >
Reader for Websites

• Read articles and web pages without distractions
• Clutter disappears
• Add link into Reading List and finish later
Guided Access

- Helps remain on task and focus
- Limit to one app / turn off home button
- Restrict touch input on certain areas of the screen
Surface Pro 3

Ready to switch? Trade up your MacBook Air for a Surface Pro 3 now.

See offer

<table>
<thead>
<tr>
<th>PORTABILITY</th>
<th>PROCESSING POWER</th>
<th>MULTITASKING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Pro 3</td>
<td>Choose from Intel® Core™ i3, i5, or i7 processors</td>
<td>With Windows 8.1 Pro, you can snap up to 3 apps or desktop programs side by side to multitask with ease</td>
</tr>
<tr>
<td>Weighs a mere 2.4lbs and is only 0.55&quot; thin with the keyboard attached</td>
<td>Available with Intel® Core™ i5 and i7 processor options</td>
<td>OS X offers no support for snapping 2 apps side by side, but does allow you to multitask</td>
</tr>
<tr>
<td>MacBook Air</td>
<td>Tips the scales at 2.98lbs and is 0.68&quot; thick</td>
<td></td>
</tr>
</tbody>
</table>

13" MacBook Air
Surface Pro 3

• Pro
  – 30 day trial of MS Office
  – Ability to download software

• Open 3 Windows

• Tiles
  – Start screen

• Charms
  – Right hand side
Samsung Galaxy

- Download Accessibility Features
- 7 inch or 10 inch screen available
- Compatible with flash/ WIFI
- 8.0 coming out February 2013 in Europe
- 8.0 will have a better camera and use a SIM card for storage
- Starts at $199.99 but 8.0 may be more
The Future of this OS is Limitless

• Google has the futuristic ambition and the funds to take Android to unprecedented heights. In many areas — such as predicting what users will do next.

• Google Now knows that in the morning you’re getting ready for work and will tell you about the traffic.
Introducing Google Now

The right information at just the right time

From knowing the weather before you start your day, to planning the best route to avoid traffic, or even checking your favorite team's score while they're playing. Google Now brings you the information you want, when you need it.

Assistance around the clock
Alzheimer's Store

www.alzstore.com

Alzheimer's Therapy Products for Comfort & Security

Alzheimer's, memory loss, and dementia are life changes, both for those that suffer from the disease and those that care for them. When symptoms worsen, confusion, loneliness, loss of a sense of security and frustration can greatly reduce quality of life. The Alzheimer’s Store is proud to offer a wide range of Alzheimer's therapy products to ease these pains and help patients live in a safer home with a sense of mind. Whether you are caring for Alzheimer's patients in a professional capacity or you are caring for a loved one at home. The Alzheimer’s Store can help you combat the hindrances of unwinding and memory loss.

Aging comes to everyone, but there's no reason not to fight it every step of the way. Data collected from a wealth of scientific studies have shown curcumin has the potential to fight a variety of age-related ailments and diseases. Age-related diseases encompass Alzheimer's and cardiovascular disease, osteoarthritis and diabetes," said VitalBreeze spokesperson, Michelle O'Sullivan. Curcumin is the substance found in the spice turmeric. Read more from EmailWire...

FEATURED PRODUCTS

- Memory Boxes by Find
  Price: $99.00

- Desktop Clock with Day & Date
  Price: $139.95

- Motion Detector with Remote Alarm
  Price: $71.95
AT guide

Your self-help guide to how technology can help you to live well with dementia. You can use the guide on your own, with help from a family member or friend, or with a support worker or other professional. Please take the time to give us your feedback as it is important to us.

Step 1: You choose a topic from the list below
Step 2: We ask you some questions
Step 3: We give you advice and product suggestions

Getting up, washed and dressed

- Getting up in the morning
- Going to the toilet
- Washing and bathing
- Getting dressed and ready
- Taking medication

Making meals and drinks

- Preparing meals
- Safety in the
- Shopping for food
- Taking medication

Read more at: http://asksara.dlf.org.uk/?auth=atdementia
AT Helps!

• Assistive Technology strategies and solutions can help support those living with and affected by dementia who have problems with:

  • speaking/communicating
    • hearing
    • seeing
    • moving around
    • getting places
    • memory
    • cognition (thought processes and understanding)
    • daily living activities, such as dressing and preparing meals
    • socializing.

For Handouts: http://www.gatfl.gatech.edu/tflwiki
Telephones

• Whole range of Options
Conversation Aids

• Moves conversations forward
• Communicate quickly
Locabulary

- Uses GPS to track user location and suggests appropriate vocabulary based on location
  - ie: McDonald’s; starbucks
- A keyboard to type for text-to-speech
- User can tag their own locations and create vocabulary for each location
- Lite version Free; Pro version $130
Speak it!

- Copy emails, documents, web pages, PDF files, and more; paste them into Speak it!, and have the text spoken back to you.
- Email text to speech files
- Make announcements over PA system
- Endless phrases and possible uses
- $1.99
Proloquo2go

http://www.proloquo2go.com/resources/article/introductory-videos
TouchChat

• Designed for individuals with Autism, Down Syndrome, ALS, apraxia, stroke, or other conditions that affect a person's ability to use natural speech
• Able to import your own pictures or take pictures
• Works on Apple and Android systems
• Over 10,000 symbols included
• Create videos
• $149
AT Helps!

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EyeNote

- Uses built in camera to scan dollar bills
- Speaks out loud
  - Distinguished btw front and back of bill
- Free
- Supports English and Spanish
- Privacy mode
  - Pulses or beeps
BrailleTouch

- Prototype app for touchscreen mobile devices
- FREE Open Source app
- 32 words per minute with 92% accuracy with the prototype app for the iPhone
- Use of the six-key configuration so that the keyboard fits on the screen and users keep their fingers in a relatively fixed position while texting
- GA Tech Researchers

- Type with screen facing away
- Braille like typing
HearPlanet (Lite): Audio Guide to the World

• Speaks aloud what is around out you
• Learn about monuments. Historic sites, etc.
• FREE
• Upgrade to a paid version
ZoomReader

* OCR app
* Ai Squared
* Read back in a natural voice
* Customizable highlight colors, synthesizer, text size and speech rate
* Low vision users

- $19.99
- ZoomReader
MIT Finger Device Reads to the Blind in Real Time

By RODRIQUE NGOWI
Associated Press
JULY 8, 2014 1:24 AM

In this Thursday, June 26, 2014 photo, a model wears a FingerReader ring at the Massachusetts Institute of Technology’s Media Lab in Cambridge, Mass. Researchers designed and developed the instrument, which enables people with visual disabilities to read text printed on paper or electronic devices. (AP Photo/Stephan Savoia)
AT Helps!

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For Handouts: [http://www.gatfl.gatech.edu/tflwiki](http://www.gatfl.gatech.edu/tflwiki)
Favorite Travel Apps

- Expedia
  - Check-in/Electronic Ticket
  - Change Seats
  - Check Flight status
  - Buy Tickets
  - Sends updates
  - Voice Over
Favorite Navigation Apps

- **Around Me**
  - Identifies where you are
  - Lists what is around you
  - View route to place from where you are
  - Add information to contact list

- **Talk and Drive Waze**
  - Operate your map applications simply by talking
  - Launch the application, say your destination
AT Helps!

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For Handouts: http://www.gatfl.gatech.edu/tflwiki
Prompts!

- Clocks – Day/Night
- Reminders
- Object finders
- Voice recorders
Reminders

- Built-in App
- Works with VoiceOver
- Organize your reminders
- Siri if have iPhone 4s or 5
- The new iPad
TextMinder

- Create SMS text reminders
- Specify exact date and time; choose a repeat schedule for each reminder
- Multiple reminders can remain in popup notification summary, even when followed by other messages (push notifications only show your most recent alert)
- Unread reminders show as a number badge on your standard SMS/Messages app, and remain until removed to ensure they are noticed
Cozi

• Free
• You can access from a computer, smartphone or tablet
• Manage a family calendar and set reminders.
  – Add an appointment and it uploads to your Cozi account so everyone can see it.
• Get your grocery shopping lists when you're at the store, even when offline.
• Add a to do list item right when you think of it and have it right there in your pocket to remind yourself.
• Jot down a memory as it happens in the journal.
  – Add a photo from your library to capture the moment.
• Add and edit non-repeating calendar appointments, shopping lists, and to do lists while offline.
Wunderlist

- List management
- Create recurring to-dos
- Create subtasks
- Set due dates
- Reminders
- Notifications
- Cloud sync
- Email directly
- Collaborate with anyone
- Access on all devices including web
- Free

https://www.wunderlist.com/en/
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ClaroSpeak US

- **Text-to-Speech**
  - import documents and PDFs into ClaroSpeak from apps such as Mail, or import PDF, Word, Pages and other files directly from Dropbox using

- **Change font and color**

- **Save text as an audio file**

- **Visual Tracking**

- **Send Text**

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ClaroSpeak speaks back text with high-quality speech and highlighting so you can follow the words as they are spoken.

Tap the screen to place the 'cursor point' in the text. Then tap the Play icon to start speaking. The text will be spoken from the start point with the highlighting and voice you have selected in Settings. To stop ClaroSpeak speaking, tap the Stop icon or tap anywhere in the ClaroSpeak title bar.

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Edited via ClaroSpeak
Reading Apps

• Learning Ally
  – DAISY
  – Membership required
  – over 75,000 audiobooks, audio textbooks, and other recorded books

• Audible.com
  – Over 100,000 titles
  – Works on both Android and Apple
  – $7.00-$22.00 per month
Reading Apps

- **Free Books**
  - Free
  - Over 23,000 titles
  - Audiobooks

- **Newspaper**
  - Free
  - Newspapers from 150+ countries
  - Over 20,000 newspapers

- **Overdrive Media Console**
  - Free
  - Must have library card
  - Download ebooks and audiobooks on the go
Perfect OCR

- $3.99
- Uses the built-in camera to scan documents
- Edit, copy, store, email documents
- Upload to online storage is as Evernote
- Does take practice for picture
WebReader

- Text to speech technology for reading web page content
- Web pages can be read as soon as they are loaded or use Cut, Copy, & Paste to read only sections of webpage
- Highlights as it reads text
- Speaking rate control available
- $1.99
Say it & Mail it Pro

- Email voice memos
- Attach pictures
- Set preference to start recording as soon as app opens
- Add location
Brevity

- Word Completion App
- Automatically add words if not in list
- Remembers how often you use words and offers the most frequently chosen options to you first
- E-mail Support - Send e-mails from directly within the application
- Text Message Support
- Remove misspelled or unwanted words
- Set prediction font size and window transparency
iWriteRead

- TextHelp
- No internet needed to use
- Text-to-speech
- Word Prediction
- Phonetic Spell Checker
- Homophone and Confusables Checker
- Dictionary
- Picture Dictionary
- Customizable Background and Text Colors
- Choice of Voices and Fonts
- Importing and Sharing documents
AT Helps!

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- **daily living activities**
  - socializing.

*For Handouts: [http://www.gatfl.gatech.edu/tflwiki](http://www.gatfl.gatech.edu/tflwiki)
Overview of the Human Factors and Aging Laboratory

Points of Excellence

- Our research advances both science and practice
- We aim to improve quality of life for adults of all ages
- Students graduating from our lab are very successful

Resources

- Senior-to-Senior Brochure

Sponsors
Presentation 2: Human-Robot Interaction: The Potential to Support Successful Aging

There is much potential for robots to support older adults in their goal of independent aging. However, for human-robot interactions to be successful, the robots must be designed with user needs in mind.

In the Human Factors and Aging Laboratory, Roger's lab is conducting research in the nascent field of older adult–robot interactions. In this presentation, Rogers will provide an overview of the needs, capabilities, preferences, and limitations of older adults. She will then discuss our current and planned research on the design of robots to support older adults and health care providers. Our focus is on understanding the interactions among user characteristics, robot characteristics, and the context of the interactions (e.g., task demands).

Presentation 3: Aware Home Technology to Support Aging-in-Place

Imagine if your home were “aware” of your activities so that it might help you remember what it was you went into the kitchen for or whether the visitor at the front door is someone you know or even what the proper procedure is for performing a recently learned home medical procedure. An aware home is not from the world of science fiction—it is within the realm of science. Such technological developments have the potential to enable older adults to maintain their functional independence and to “age-in-place.” They also have the potential to support families caring for children with developmental disabilities or individuals recovering from illness or injury. An innovative research program at Georgia Institute of Technology is focused on developing psychological and computer science to support home activities.

The presentation will include examples of health care technology, communication technology, and memory supports. These examples demonstrate the complexity of the issues involved in designing the computationally capable home of the future and provide direction for future research and development efforts.
Meet NAO!
MyMedSchedule

- Keep track of medication
- Reminders
- Refill Reminders
- Healthcare Provider Profiles
- Insurance Information
- Allergies
- Works across Platforms
- Free
- www.mymedschedule.com
Shopping List Generator

- Pictorial shopping list
- Customize different lists for different users using pictures on camera roll
- Add your own items and categories
- Assign item prices
- Assign item locations (for example, aisle numbers)
- Several accessibility options
  - text-to-speech
  - uses large easy-to-see images
  - item prices automatically totaled
- $4.99
Key Ring

- One Place to store all reward cards
- Organized
- Android & Apple version
- [www.keyringapp.com](http://www.keyringapp.com)
- Free!
Grocery IQ

- Pictorial shopping list
- Customize different lists for different users using pictures on camera roll
- Add your own items and categories
- Assign item prices
- Assign item locations (for example, aisle numbers)
- Several accessibility options
  - text-to-speech
  - uses large easy-to-see images
  - item prices automatically totaled
- $4.99
Fooducate

- Track calories
- Provides healthier options
- Educates on food ingredients
- Save favorites
- Create lists
- App for allergies and gluten-free
- App for diabetes nutrition
- Free
- www.fooducate.com
Happy Cow

- Interactive map to locate vegan, vegetarian and health food stores
- Provides directions, phone numbers, & website
- Share information via Facebook, Twitter, Email, or SMS
- Upload photos
- $2.99
Sleep Cycle

- Tracks your sleep patterns
- Uses iPhone accelerometer to track how often you move at night
- Set an alarm range
- Woken up gradually when you are in like sleep
- Feel refreshed and energized
- $2.99
EveryTrail

• Tracks route using your iPhone GPS
• Use with walking tours, biking, running, hiking, sailing and driving
• Travel map is visible and drawn while trip is in progress
• Plot camera photos and video on map instantly
• View stats (distance, speed, elevation and more) while tracking
• View topography and terrain maps on iPhone
• Download maps for offline viewing
• Free
AT Helps!

• Assistive Technology strategies and solutions can help support those living with and affected by dementia who have problems with:
  • speaking
  • hearing
  • seeing
  • moving around
  • getting places
  • memory
  • cognition (thought processes and understanding)
  • daily living activities, such as dressing and preparing meals

• socializing.

For Handouts: http://www.gatfl.gatech.edu/tflwiki
Facebook

- Connect with friends
- Create photo albums to share
- Create Events
- Instant Messaging
- Group Messaging
- Free
Instagram

- Free
- Share videos and photos with friends and followers
- Send posts directly to friends
Tango

- Make video and phone calls across mobile platforms
- Group chats
- Works on tablets & PCs
- http://www.tango.me
- Free
iMovie

• Share information via Facebook, Twitter, Email, or SMS
• Upload photos
USA Today

- Current Events in order
- Breaking News Alerts
- Videos
- Photos and Text
- Pick Favorite Interests
- Free
SkyGrid

- Personalize news events by categories
- Simple interface
- Free

www.skygrid.com
iZen Garden

- Choose from 100s of objects, plants and creatures to place in your garden
- Rake the sand and share your creations
- Helps you to center your mind, relax your psyche and relieve your stress
• Portable stress management tool
• Detailed information on the effects of stress on the body
• Instructions and practice exercises to learn the stress management skill called diaphragmatic breathing
Pandora

- Free internet radio
- Create custom stations based on genre
- Free
Our Question to You:
What have You Learned today?
Webinar Evaluation

Please take a moment to complete our survey:

https://www.research.net/s/TFLwebinar
Thank You!
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Disclaimer
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