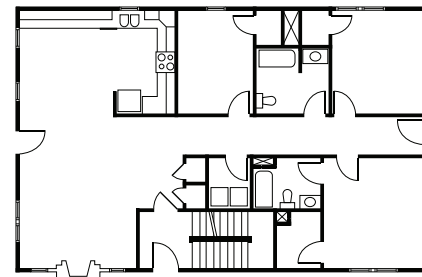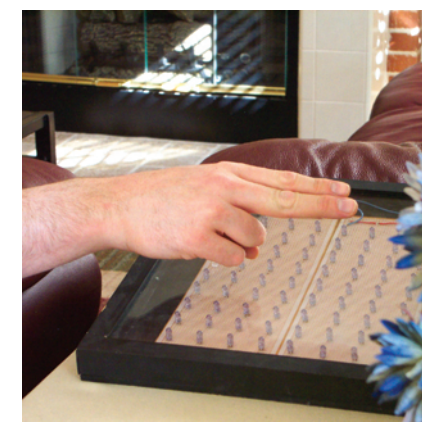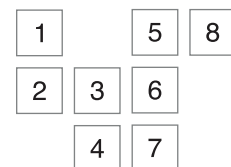# the AWARE HOME

The Aware Home at Georgia Tech is devoted to the multidisciplinary exploration of emerging technologies and services based in the home. Starting in 1998, our collection of faculty and students has created a unique research facility that allows us to simulate and evaluate user experiences with off-the-shelf and state-of-the-art technologies. With specific expertise in health, education, entertainment and usable security, we are able to apply our research to problems of significant social and economic impact.

New technologies show great promise when applied to the home domain. The opportunities are vast, ranging from new modes of entertainment, services to simplify the management of the home and its myriad activities, and much-needed assistance for individuals at risk and the busy family members who care for them.

Projects:

1. Bufferware
2. Abaris
3. Cook's Collage
4. Digital Family Portrait
5. Memory Mirror
6. Audio Notes
7. Gesture Panel
8. DiamondTouch Learning Games

1		5	8
2	3	6	
	4	7	

Home entertainment is important to help us enjoy our leisure time. We are interested in developing new ways to simplify the control of a complex array of digital entertainment items and to create new ways to capture the meaningful moments of everyday life and share them with others now and well into the future. As we introduce more technologies into the home, we do not want to change the important characteristic of home life; to relax and enjoy family events. Currently, the influx of technology into the home has produced an increased burden to manage that infrastructure and guard against new security threats. By considering the importance of the human experience in managing technology and maintaining control and privacy, we are showing how a state-of-the-art experience can also be an enjoyable one.

Many otherwise busy adults are sandwiched between generations of older and younger relations that rely on them for care. Many baby boomers take responsibility to help an aging parent retain an independent life in his or her own home, rather than moving to an institutional facility. Others are assisting a developmentally delayed child or grandchild grow into an independent and functional lifestyle. Still others may help a sibling cope with a chronic health condition. Whatever the situation, there are many opportunities for home technologies to support the important communication and coordination tasks a network of formal and informal caregivers. The same technologies that revolutionized and "flattened" the workplace can now make life easier in the home.

www.awarehome.gatech.edu