



Left: A student trying out WiiCane at Overbrook School for the Blind. Right: the cane with Wii Remote

**WiiCane\*** is a new training tool that helps blind and deaf-blind pedestrians perfect their cane technique in a safe environment. Trainees walk along a 30' course; as they move forward, they receive auditory or vibratory feedback on veering, cane arc width, hand-centeredness, and arc-step synchronization. **WiiCane** is based on Wii video gaming hardware: a Wii Remote is mounted to a mobility cane, and the camera in this device tracks the position of lights along an overhead strip. A computer receives data via Bluetooth radio, and sends feedback to wireless headphones worn by the trainee and to the vibration motor in the Wii Remote.

*Price: \$1,200 ( includes computer, cane, ceiling-mounted light strip, and lesson plans).  
WiiCane will be available for purchase in January 2010.*

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