Abstract

This project was designed to utilize ViSIT, a three-dimensional motion analysis program written by Ross Eaton ’03, to analyze recordings of children with autism and a control group to determine if movement problems could be used to help identify children with autism.

On the way to that goal, this project encountered many unexpected technical difficulties involving the various aspects of the undertaking. Despite this, though, the project made headway into research that, in the future, will be very important to fully deploying ViSIT in the Child Study Center. Because ViSIT requires two cameras – one overhead and one on the side – handling the recorded data can be difficult. First, this project provides future researchers with six edited digital recordings of children with autism and one edited digital recording of a child with PDD-NOS (Pervasive Developmental Disorder – Not Otherwise Specified). Second, it provides a model that others can use when deciding how to record and edit someone on a computer. Third, it provides help with dealing with two media streams that must be synchronized.