



Ifeoma
Nwogu

Research Category: B) Artificial Intelligence, D) Interdisciplinary

Research Area: Human Behavior Modeling, Machine Learning and Computer Vision

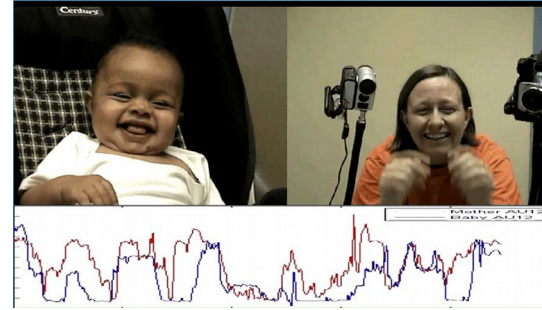
Research Application: Mental Health and Wellbeing, Sign Language Interpretation

Selected Research Projects:

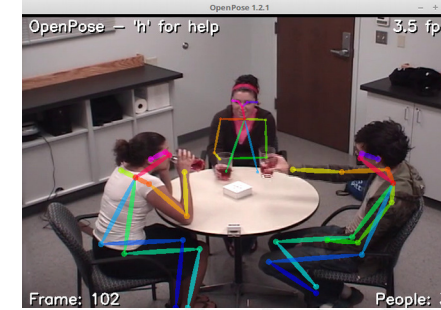
NSF CAREER: A Computational Approach to the Study of Behavior and Social Interactions

SIGNET: A Two-Way Sign Language Interpretation Interface

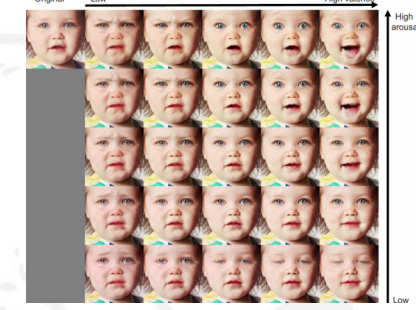
A Human Behaviors



Infant Autism Early Prediction

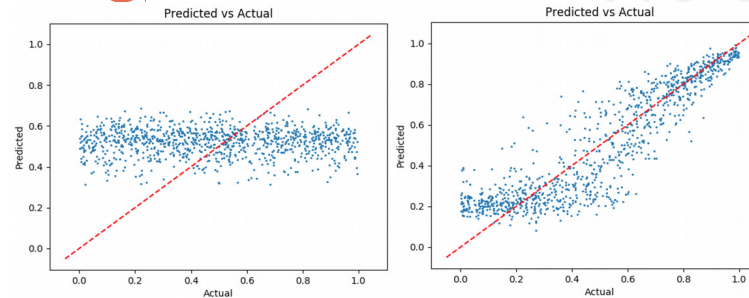


Group Formation Task

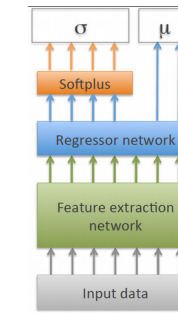


Expression Generation

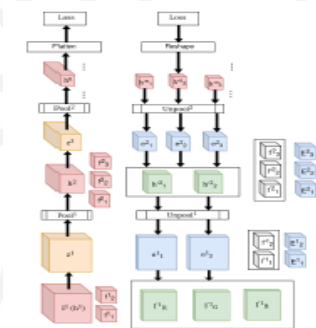
B Machine Learning Models



Coupled Interaction Modeling

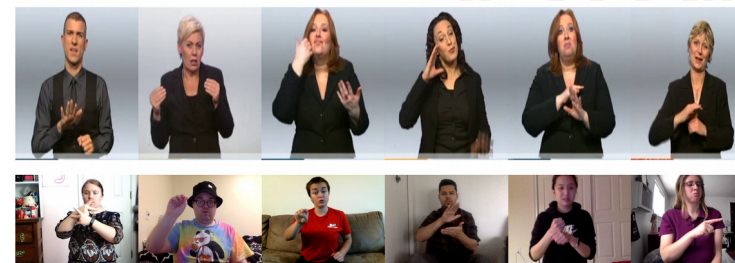


Uncertainty Modeling

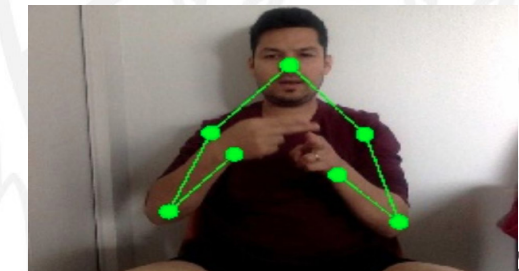


Backprop-free CNN

C Sign Language Interpretation



Our New ASL Dataset (bottom)



Sign language generation