### Qualifications:

- Eye-tracking
- Machine learning
- Computational modeling
- Inertial sensor behavioral analysis
- EEG

### Desired capabilities:

- Access to IC test participants

### Type of research we can support:

Decoding short-term mental state and long-term psychological traits from behavior including eye movements, head/limb/finger motions, and EEG.

### Diagnosing ADHD, FASD, Parkinson’s, etc from 5 minutes of watching TV

### Predicting intentions from eye movements and computational modeling

**“missile fired” events**

**Event-locked prediction strength** of BU and TD models, averaged across all events of a given type

**BU prediction** map of gaze position at times t, t+1, relative to an event time

**TD prediction** map of gaze position at times t, t+1, relative to an event time

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