



## **FACULTY MENTOR**

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## **PROJECT TITLE**

Computational Modeling of Human Face Processing

## **PROJECT DESCRIPTION**

We are modeling what face features humans pay attention to in order to make distinct judgments about emotional expressions (e.g. happiness, surprise, fear, anger), demographic traits (age, gender, race), and social traits (e.g. trustworthiness, attractiveness, intelligence, etc.). We are also looking at how human face processing depends on the viewer's personal demographic experience as well as the behavioral context.

## **INTERNS NEEDED**

1 BS 1 MS

## **PREREQUISITES**

Math (calculus, linear algebra, probability, statistics, optimization, machine learning) & programming (Matlab)