

Possible Project Topics

- A brief review of attention processes in computational cognitive architectures –MB
- Visual image override of imagination --KK
- Categorization and Levels of Abstraction –MS
- Self-Categorizer --SJ
- Reconstruction of Images from Brain Responses. –SJ
- Fusiform Face Area Modeling with Artificial Neural Networks --DL
- An investigation into computational emotion –CK
- Cognitive and Computational Models of Music Comprehension and Analogy; --JR
- Computational story-telling –DS
- Expertise in self-observation --KK
- Unifying Perception and Analogical Reasoning --KL
- Investigation of Certainty Preference in Non-Financial Contexts –JR
- Cognitive efficiency measured in Electronic Health Record Audit Logs --BJ
- Relationship between opinion change and Bayesian models –BJ
- Collaboration and competition in the transition from novice to expert –NH
- Effects of competition on how subjects think –KM
- Effects of language on how subjects think –KM
- Collective Learning; --DL
- Computational Psychiatry --EM
- Modeling Changes in Attention Mechanisms in Brains with Major Depression –HM
- A cognitive model of alert fatigue –KK