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Symbolic Systems Program, Stanford University

Interests

My interests revolve around human languages, logic, Artificial Intelligence (Machine Learning) and their interfaces, in both theoretic approach and application viewpoints in group intelligence, social network dynamics, and crowdsourcing.

Programming Languages

- **Python** (Proficiency)
  numpy, gensim, nltk; some experience in tensorflow
- **Java, C++** (Familiarity)
- Scheme (Beginning Experience)

Technical Skills

- **Deep Learning/Neural Networks**
  (Convolutional, Recurrent NNs, LSTM)
- Machine Learning (traditional ML as taken in CS229)
- Knowledge of common search and graph algorithms
- Information Theory

Other Related Skills

- Familiarity with **Syntactic Theories**
  (Phrase structure grammar, Dependency grammar, PCFG)
- Formal Semantics and Pragmatics
- Proficiency in First-order Logic

(Natural) Languages

- Thai (Native), English (Near-native)
- Japanese, Chinese (Elementary)

Projects

- Automatic Articles Categorizer and Relevance analysis using Vector Semantics (in CS221/229 project, past, inactive)
- Winning Rock Paper Scissor with alternate Markov chains (past, inactive)
- CKY algorithm in Scheme (Current)
- Train an agent to play **agar.io** using data from Spectate mode (Current)

Other Experiences and honors

2015- : Board member of Symbolic Systems Society
2014 : Research in Silicon Photovoltaic Cell (with a published paper)
2011 : International Physics Olympiad (won Gold Medalist)