

Student Interests

Note Title

2013-01-15

Ahmad Almadhor

W. Xu ⊛ network security

secondary; protein folding

⊛ May be interested in hypothetical reasoning using Bayesian networks, as done in Gowadi + Forbes + Valtorta's PAID system.

Jalen Ana Arju

MS in CSE. Research area not yet decided.

Needs an MS thesis topic.

Maybe something in model-based diagnosis?

Rhea McCashin

Works with Dr. Bayoumi (BMEN and ME)
in Natural Language Processing

Suggest: read Ch. 8 of Levesque's T & C or
the slides & prolog programs that go with it,
before Dr. Matthews' course gets going.

Hamid A. Omar

Computational Medicine w/ Prof. Valter
Consider the MENTOR example (Mami-
McDermott - Valtorta); a ^(course) Bayesian
network construction exercise

Muhammad Sakib

Dr. Chin-Tser Huang on Botnet detection
and analysis (for network security)
First, detect; then find the protocol for

Communication & control of the bots with their master.

Scott Langerin's AAMAS paper with Mark Blumenthal & MV gives a good overview of the AEBN (Agent-Encapsulated Bayesian Network MAS framework) and of the rumor problem in community systems of agents

Dahel Salvi

Works with Dr. Song Wang on multi-object tracking and document analysis (finding the differences between text and figures in old books): collaboration w/ center for Digital Humanities. simple Ch. 6 of Levesque for a start - a neglectful representation for bringing knowledge to bear on image interpretation.

Richard Walker

Prof. Buell. iPad applications. What
of the course. Localization.

Connectivity to a server. What should
be passed? Usability. Information is
now divided by time period.