

Research Areas

- **Natural Language Processing**
- **Data Mining**
- **Machine Learning**

Education

- **PhD. Computer Science**, University of Memphis, Memphis TN, USA (Spring 2014 – present) – Early stages (Major advisor: Dr. Vasile Rus)
- **M.S. Computer Science**, University of Memphis, Memphis TN, USA (Fall 2012 – Fall 2014) *Thesis* on “**Automated Speech Act Classification in Tutorial Dialogue**” (Thesis defended and approved on Nov., 12, 2014. Major advisor: Dr. Vasile Rus)
- **B.S. Computer Engineering**, Department of Computer Science & Engineering, Shiraz University, Shiraz, IRAN (Fall 2007 – Fall 2011) *Project* on “**Extractive multi-document summarization using graph-based iterative ranking algorithms & information theoretical distortion measures**”
- **Diploma** in Mathematics & Physics, Persian Gulf Highschool, Boushehr, IRAN June 2007.

Academic Experience

- **Research Assistant** (Fall 2012 – present), Institute for Intelligent Systems (IIS), University of Memphis (Director: Dr. Andrew Olney)
- **Teaching Assistant** (Spring 2012), Artificial Intelligence, Department of Computer Engineering, Shiraz University (Instructor: Dr. Zohreh Azimifar)

Publications

- **Samei, B.**, Keshtkar, F., Graesser, A., & Rus, V. (2013). A tool for speech act classification using interactive machine learning. In proceedings of the 6th International Conference in Educational Data Mining.
- Keshtkar, F., **Samei, B.**, Morgan, B., & Graesser, A. C. (2013). A data mining approach to construct production rules in an educational game. ISGL Workshop in Conjunction with the 16th International Conference on Artificial Intelligence in Education.
- **Samei, B.**, Eshtiagh M., Keshtkar, F., & Hashemi, S. (2014). Multi-Document Summarization Using Graph-based Iterative Ranking Algorithms and Information Theoretical Distortion Measures. In proceedings of the 27th International Conference of the Florida Artificial Intelligence Research Society (FLAIRS-27). Menlo Park, CA: AAAI Press.
- **Samei, B.**, Li, H., Keshtkar, F., Rus, V., & Graesser, A. (2014) Context-based Speech Act Classification in Intelligent Tutoring Systems. In S. Trausan-Matu, K. Boyer, M. Crosby, & K. Panou (Eds.), Proceedings of the 12th International Conference on Intelligent Tutoring Systems. Springer-Verlag.

- Li, H., **Samei, B.**, Olney, A. M., Graesser, A. C., & Shaffter, D. W. (2014). Question classification in an epistemic game. In 3rd Workshop on Intelligent Support for Learning in Groups (ISLG) at the Twelfth International Conference on Intelligent Tutoring Systems. Springer-Verlag.
- **Samei, B.**, Olney, A., Kelly, S., Nystrand, M., D'Mello S., Blanchard N., Sun, X., Glaus, M., & Graesser, A. (2014). Domain independent assessment of dialogic properties of classroom discourse. In Proceedings of the 7th International Conference on Educational Data Mining (EDM2014).
- Morrison, D. M., Nye, B., **Samei, B.**, Datla, V. V., Kelly, C., & Rus, V. (2014). Building an intelligent pal from the tutor.com session database-phase 1: data mining. In Proceedings of the 7th International Conference on Educational Data Mining (EDM2014).
- Nye, B. D., Hajeer, M., Forsyth, C., **Samei, B.**, Hu, X., & Millis, K. (2014). Exploring real-time student models based on natural-language tutoring sessions: A look at the relative importance of predictors. In Proceedings of the 7th International Conference on Educational Data Mining (EDM2014).
- Forsyth, C.M., Graesser, A.C., Pavlik, P., Millis, K., & **Samei, B.** (2014). Discovering theoretically grounded predictors of shallow vs. deep- level learning. In Proceedings of the 7th International Conference on Educational Data Mining (EDM2014).
- Forsyth, C., Graesser, A. C., **Samei, B.**, Walker, B. & Pavlik, P. (in press). Predicting performance behaviors during question generation in a game-like intelligent tutoring system. In J. Polman, A. Kyza, K. O'Neill, and I. Tabak (Eds.) proceedings of the International Conference of Learning Sciences (ICLS 2014). International Society of the Learning Sciences.
- **Samei, B.**, Olney, A., Kelly, S., Nystrand, M., D'Mello, S., Blanchard, N., & Graesser, A. (2015). Modeling classroom discourse: Do models of predicting dialogic instruction properties generalize across populations? In Proceedings of the 8th International Conference on Educational Data Mining (EDM2015)
- Nye, B. D., Morrison, D. M., & **Samei, B.** (2015). Automated session-quality assessment for human tutoring based on expert ratings of tutoring success. In Proceedings of the 8th International Conference on Educational Data Mining (EDM2015)

Programming Languages & Computer skills

- Java , C, C++, Python , PHP, R
- SQL, MATLAB, SPSS, Microsoft Office

Student Activities and volunteer work

- President of Persian Student Association (PSA), University of Memphis (2013-2014)
- A student organization group at University of Memphis (website: <http://psamemphis.org/>)
- Computer Science Ambassador, IIS Student Organization, University of Memphis (2013-2014)
- Member of central council of Shiraz University's music association (2008-2011)

Language Skills:

- Persian (native)
- English (fluent , IELTS overall score of 7.5)