

# Aida Mostafazadeh Davani

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**Interests**      ◇ Fairness in NLP, Computational Social Science, Natural Language Processing

**Education**      ◇ **Ph.D. Computer Science**      Fall 2017 – [Expected] Spring 2022  
University of Southern California, Los Angeles, United States      GPA: 3.95/4  
◇ **M.Sc. Software Engineering**      Fall 2014 – Fall 2017  
Sharif University of Technology, Tehran, Iran      GPA: 18.34/20  
◇ **B.Sc. Software Engineering**      Fall 2009 – Summer 2014  
Sharif University of Technology, Tehran, Iran      GPA: 15.34/20

## Selected Publications

- ◇ **Mostafazadeh Davani, A.**, Atari, M., Kennedy, B., Havaldar, Sh., Dehghani, M. “*Hatred is in the Eye of the Annotator: Hate Speech Classifiers Learn Human-Like Social Stereotypes*”, Cognitive Science, (2020).
- ◇ Kennedy, B., Jin, X., **Mostafazadeh Davani, A.**, Dehghani, M., Ren, X. “*Contextualizing Hate Speech Classifiers with Post-hoc Explanation*”, ACL, Seattle, USA (2020).
- ◇ **Mostafazadeh Davani, A.**, Yeh, L., Atari, M., Kennedy, B., Wightman, G. P., Gonzalez, E., Delong, N., Bhatia, R., Ren, X., Dehghani, M. “*Reporting the unreported: Event extraction for analyzing the local representation of hate crimes*”, EMNLP-IJCNLP, Hong Kong (2019).
- ◇ Courtland, M., **Mostafazadeh Davani, A.**, Reyes, M., Yeh, L., Leung, J., Kennedy, B., Dehghani, M., Zevin, J. “*Modeling performance differences on cognitive tests using LSTMs and skip-thought vectors trained on reported media consumption*”, Proceedings of the Third Workshop on Natural Language Processing and Computational Social Science (2019).
- ◇ Courtland, M., **Mostafazadeh Davani, A.**, Reyes, M., Yeh, L., Leung, J., Kennedy, B., Dehghani, M., Zevin, J. “*Subtle differences in language experience moderate performance on language-based cognitive tests.*”, Proceedings of the 41st Annual Conference of the Cognitive Science Society, Austin, Texas. Cognitive Science Society. (2019).
- ◇ Chambers, M. K., **Mostafazadeh Davani, A.**, Goodwin, R., Dodson, S., Yeh, L., Dehghani, M., Graham, J., Diekmann, K. A. “*The power of silence: Using sentiment text analysis to examine twitter responses to sexual harassment accounts*”, International Association for Conflict Management (IACM), Dublin, Ireland (2019).
- ◇ Atari, M., **Mostafazadeh Davani, A.**, Dehghani, M. “*Body maps of moral concerns*”, Psychological Science (2019).
- ◇ Hoover, J., Portillo-Wightman, G., Yeh, L., Havaldar, S., **Mostafazadeh Davani, A.**, Lin, Y., Kennedy, B., Atari, M., Kamel, Z., Mendlen, M., Moreno, G., Chin, J., Leong, C., Leung, J. Y., Mirinjian, A. Dehghani, M. (accepted). “*Moral Foundations Twitter Corpus: A collection of 35k tweets annotated for moral sentiment*”, Social Psychological and Personality Science (2019).
- ◇ **Mostafazadeh Davani, A.**, Nazari Shirehjini, A. A., Daraei, S. “*Towards interacting with smarter systems*”, Journal of Ambient Intelligence and Humanized Computing (2018).
- ◇ **Mostafazadeh Davani, A.**, Nazari Shirehjini, A. A. and Daraei, S. “*A Meta user interface for understandable and predictable interaction in AAL.*”, Human Aspects of IT for the Aged Population. Design for Everyday Life. Springer International Publishing, (2015).
- ◇ **Mostafazadeh Davani, A.**, Nazari Shirehjini, A. A., Daraei, S., Khojasteh, N., and Shirmohammadi, S. “*A Meta user interface for interaction with mixed reality environments.*”, Haptic, Audio and Visual Environments and Games (HAVE), 2015 IEEE International Symposium on, IEEE, (2015).

**Research  
Experience**

- ◇ **Computational Social Science Lab**, University of Southern California      Fall 2017 - Present  
Implementing natural language processing approaches for explaining the psychological and sociological attributes of the context (i.e., unintended bias derived from stereotypes).  
Conducting natural language processing research for answering critical, social problems such as hate crime and hate speech detection.
- ◇ **Ambient Intelligence Lab**, Sharif University of Technology      Fall 2014 - Spring 2016  
Developing Meta User Interfaces to support usability principles such as predictability and understandability of human interaction with Ambient Intelligence.

**Teaching  
Experience**

- ◇ Analysis of Algorithm at University of Southern California      Fall 2018 - Spring 2019
- ◇ Human Computer Interaction at Sharif University of Technology      Fall 2015 - Spring 2017
- ◇ Principles of Programming at Sharif University of Technology      Fall 2012 - Fall 2013

**Skills**

- ◇ Programming: Python, Java, C++, C#
- ◇ Machine Learning: Tensorflow, Keras, Scikit-learn, Pandas
- ◇ Statistics: Hierarchical Models, Time Series Analysis, R