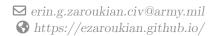
Erin Zaroukian

Curriculum Vitae



	Positions & Education
	U.S. Army Research Laboratory, Aberdeen Proving Ground, MD
Sept 2018–present	Cognitive Scientist, Army Research Directorate (formerly Computational and Information Sciences Directorate)
Dec 2017–Sept 2018	Post-doctoral fellow, Computational and Information Sciences Directorate
Oct 2014–Dec 2017	Post-doctoral fellow, Human Research and Engineering Directorate
	École Normale Supérieure, Paris, France
Oct 2013–Sept 2014	Post-doctoral researcher, Laboratoire de Sciences Cognitives et Psycholinguistique
	Johns Hopkins University, Baltimore, MD
Jan 2013–Aug 2013	Lecturer, Center for Language Education
2010-2013	Ph.D., Cognitive Science Thesis: Quantification and (un)certainty [PDF] Advisor: Kyle Rawlins
2007–2009	M.A., Cognitive Science Thesis: Form, Meaning, and Comprehension/Production Asymmetries in Agreement [PDF] Advisor: Geraldine Legendre
2003-2007	B.M., Trumpet
	Publications
to appear	Chandrasekaran, A. and E. Zaroukian . Understanding the Limitations of Large Language Models in Credibility-Tracking Tasks. In <i>Proceedings of Human-Computer Interaction (HCI) International</i> .
to appear	Zaroukian, E. Exploring cognitive biases in LLM predictions: Probability matching in GPT-40 mini. In <i>Proceedings of Human-Computer Interaction (HCI) International.</i>

- to appear Kumar, P., **E. Zaroukian**, D. Summers-Stay, A. Raglin, and J. Richardson. Directions for computational theory of mind: Data, Metrics, Models and Theoretical Formalization. In *Proceedings of Human-Computer Interaction (HCI) International*.
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 - 2024 **Zaroukian, E.**, R. Fernandez, and D. Asher. State-Space Perturbation to Assess Multi-Agent Coordination. DEVCOM Army Research Laboratory Technical Report ARL-TR-9961. [PDF]
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- 2022 Sharma, P. K., **E. Zaroukian**, B. Howell, and D. E. Asher. Emergent Behaviors in Multi-Agent Target Acquisition. In *Proceedings of the Society of Photo-Optical Instrumentation Engineers (SPIE): Defense + Commercial Sensing*. [LINK]
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- 2020 Osgood, J. M., S. E. Kase, **E. G. Zaroukian**, and P. J. Quartana. Online intervention reduces hostile attribution bias, anger, aggressive driving, and cyber-aggression: results of two randomized trials. *Journal of Cognitive Therapy and Research*. [LINK]
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- 2020 Asher, D. E., **E. Zaroukian**, B. Perelman, J. Perret, R. Fernandez, B. Hoffman, and S. S. Rodriguez. Multi-Agent Collaboration with Ergodic Spatial Distributions. In *Proceedings of the Society of Photo-Optical Instrumentation Engineers (SPIE): Defense + Commercial Sensing*. [LINK]
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- 2019 **Zaroukian, E.** Automated information extraction to facilitate comprehension across text difficulty levels. In *Proceedings of the International Command and Control Research and Technology Symposium*. [PDF]
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- 2018 Bakdash, J. Z., S. Hutchinson, **E. G. Zaroukian**, L. R. Marusich, S. Thirumuruganathan, C. Sample, B. Hoffman, G. Das. Malware in the future? Forecasting of analyst detection of cyber events. In *Journal of Cybersecurity, Volume 4, Issue 1.* [LINK]
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- 2018 Bakdash, J., C. Sample, M. Rankin, M. Kantarcioglu, J. Holmes, S. Kase, **E. Zaroukian**, and B. Szymanski. The Future of Deception: Machine-Generated and Manipulated Images, Video, and Audio?. In 2018 International Workshop on Social Sensing (SocialSens), 2-2. [LINK]
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- 2017 Preece, A., I. Taylor, A. Dawson, D. Braines, N. O'Leary, A. Thomas, R. Tomsett, T. La Porta, J. Z. Bakdash, and E. Zaroukian. Coalitions of things: supporting ISR tasks via internet of things approaches. In Proceedings of SPIE 10190, Ground/Air Multisensor Interoperability, Integration, and Networking for Persistent ISR VIII, Ed. T. Pham and M. A. Kolodny, 101900A–101900A-9. [LINK]
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- 2016 Preece, A., W. Webberley, D. Braines, **E. Zaroukian**, and J. Bakdash. Human Computer Collaboration at the Edge: Enhancing Collective Situation Understanding with Controlled Natural Language. In *Proceedings of the 21st International Command and Control Research and Technology Symposium (ICCRTS).** [PDF]
 - Awarded best paper in the track Socio-technical Networks in Connected Battlespace
- 2016 **Zaroukian, E.** Human Understanding of Controlled Natural Language in Simulated Tactical Environments. In *IEEE International Inter-Disciplinary Conference on Cognitive Methods in Situation Awareness and Decision Support (CogSIMA*), 126-130. IEEE.* [PDF]
- 2016 Legendre, G., M. Putnam, H. de Swart, and **E. Zaroukian** (Eds). Optimality-theoretic syntax, semantics & pragmatics: From uni- to bidirectional optimization. Vol. 61. Oxford University Press. [LINK]
- 2015 Mott, D. and **E. Zaroukian** Studies in the Human Use of Controlled English. In *Annual Fall Meeting of the International Technology Alliance*.

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- 2014 **Zaroukian, E.** (Just) about: an analysis. In Proceedings of the 43rd annual meeting of the North East Linguistic Society Volume Two, Ed. H-L Huang, E. Poole, A. Rysling, 273-285. [PDF]
- 2014 Legendre, G., J. Culbertson, E. Zaroukian, L. Hsin, I. Barrière, and T. Nazzi. Is children's comprehension of subject-verb agreement universally late? Comparative evidence from French, English, and Spanish. In Lingua (Special Issue), How children learn to detect and interpret agreement morphology: A cross-linguistic perspective, Ed. A. Pérez-Leroux, 21-39.* [PDF]
- 2014 **Zaroukian, E.** and C. Beller. Licensing by modification in two classes of verbs. In *Proceedings of the 48th Annual Meeting of the Chicago Linguistic Society*, 619-633. [PDF]
- 2013 Zaroukian, E. and C. Beller. Not all have-clauses are alike. In Proceedings of Sinn und Bedeutung 17 (online), ed. E. Chemla, V. Homer, and G. Winterstein, 635-652. Paris: ENS Paris. [PDF]
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- 2012 Beller, C. and **E. Zaroukian**. Stage-level evaluativity is desiderativity. In *Proceedings of Sinn und Bedeutung 16*, ed. A. Aguilar-Guevara, A. Chernilovskaya, and R. Nouwen, 71-84. Cambridge, MA: MIT Working Papers in Linguistics. [PDF]
- Zaroukian, E. Approximative Inversion Revisited. In Proceedings of the 19th annual workshop on Formal Approaches to Slavic Linguistics, ed. J. F. Bailyn, E. Dunbar, Y. Kronrod, and C. LaTerza, 146-160. Ann Arbor, MI: Michigan Slavic Publications.* [PDF]
- 2012 Zaroukian, E. Homophony and Russian copular constructions. In Proceedings of the 8.5th European Conference on Formal Description of Slavic Languages, ed. M. Ziková and M. Dočekal, 255-268. Frankfurt: Peter Lang.* [PDF]
- 2011 **Zaroukian, E.** Divergent approximators. In Proceedings of Sinn und Bedeutung 15, ed. I. Reich, E. Horch, and D. Pauly, 677-690. Saarbrücken, Germany: Universaar Saarland University Press. [PDF]

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Manuscripts

- 2023 Shek, C., X. Wu, W. A. Suttle, C. Busart, **E. Zaroukian**, D. Manocha, P. Tokekar, and A. S. Bedi. LANCAR: Leveraging Language for Context-Aware Robot Locomotion in Unstructured Environments. [LINK]
- 2014 Bakdash, J., S. Hutchinson, **E. Zaroukian**, L. Marusich, S. Thirumuruganathan, C. Sample, B. Hoffman, G. Das. Malware in the Future? Forecasting Analyst Detection of Cyber Events. [LINK]
- 2014 **Zaroukian, E.** Uncertainty, prosody, and their interaction: a case of modal concord?. [PDF]

Teaching

Instructor, Johns Hopkins University

Summer 2013 **Semantics I**, Cognitive Science Department Co-instructor: Mike Oliver

Summer 2013 Listening & Speaking, Center for Language Education

Spring 2013, Accent Reduction, Center for Language Education

Summer 2013

Intersession 2011, **Inventing Language**, Cognitive Science Department 2012, 2013

Teaching Assistant, École Normale Supérieure

Spring 2014 **Formal Semantics**, *Institut d'Étude de la Cognition* Instructors: Emmanuel Chemla and Vincent Homer

Teaching Assistant, Johns Hopkins University

Fall 2012 **Semantics I**, Cognitive Science Department Instructor: Kyle Rawlins

Spring 2011 Cognitive Neuroscience, Cognitive Science Department/Neuroscience Instructor: Brenda Rapp

Spring 2011 World of Language, Cognitive Science Department Instructor: Geraldine Legendre Fall 2010 Intro to Cognitive Development, Cognitive Science Department
Instructor: Barbara Landau

Spring 2010 Language and Advertising, Cognitive Science Department
Instructor: Kyle Rawlins

Fall 2009 Syntax I, Cognitive Science Department
Instructor: Geraldine Legendre

Spring 2009 Language & Mind, Cognitive Science Department
Instructor: Joan Chen-Main

Fall 2008 Formal Methods in Cognitive Science: Language, Cognitive Science
Department
Instructor: Kyle Rawlins

Spring 2008 Phonology I, Cognitive Science Department
Instructor: Colin Wilson

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