

ALINA SUE LARSON

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EDUCATION

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| 2014 - 2019 | University of California, Santa Cruz | Santa Cruz, CA |
| | M.Sc. in Psychology, emphasis in Cognitive Psycholinguistics | |
| | Ph.D. in Psychology, dissertation titled <i>How Collaborative Synchrony Affects Humanization of Machines and Rehumanization of Humans</i> | |
| | Advisor: Dr. Jean E. Fox Tree | |
| 2008 - 2012 | Lewis & Clark College | Portland, OR |
| | B.A., Psychology, Foreign Languages, <i>magna cum laude</i> | |
| | Advisor: Dr. Yueping Zhang | |

HONORS & AWARDS

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| 2016 | Perlino Award, a competitive award for research related to deafness |
| 2016, 2015 | Summer Graduate Student Research (GSR) Award |
| 2014 | Regents' Fellowship |
| 2012 | Phi Beta Kappa |
| 2012 | Psi Chi |
| 2010 - 2012 | Pamplin Corporation Scholarship |
| 2008 - 2012 | Dean's List |

RESEARCH EXPERIENCE

Post-Graduate Researcher, Heriot-Watt University (February - September 2024)

Designed and conducted a series of studies with a team of engineers at the National Robotarium to examine and implement improvements in conversational turn-taking for human-robot interactions (with a focus on turn-taking speed, backchannels, and hesitations). Sent results to our collaborators at Honda Research Institute in Japan, in a series of 3 reports (Line Manager: Matthew Aylett).

Graduate Researcher, UC Santa Cruz (2014 - 2019)

Investigated the comprehension of discourse markers in human and machine speech, and the effect of backstories in HCI (Advisor: Dr. Jean E. Fox Tree, Spontaneous Communication Laboratory).

Designed and conducted experiments on the contribution of auditory and visual cues towards the comprehension of sarcasm (Advisor: Dr. Nicolas Davidenko, Perception Lab).

Graduate Research Assistant, Helen Wills Neuroscience Institute, UC Berkeley (2012 - 2014)

Conducted several studies involving TMS and fMRI. Coordinated, scheduled, and ran participants independently, assisting in data collection and analysis, and created an annotated bibliography in the preparation of a literature review (Advisors: Drs. Dobromir Rahnev and Mark D'Esposito).

Undergraduate Researcher, Lewis and Clark College (2009 - 2012)

Worked on individual and team projects with humans and rats, using behavioral and physiological measures and conducted data analysis in SPSS (Advisor: Dr. Yueping Zhang).

PUBLICATIONS AND MANUSCRIPTS IN PREPARATION

- Larson, A.S.**, Fox Tree, J.E. (in prep). Moving together: The impact of behavioral matching on the humanization of machine agents.
- Yeon, J. **Larson, A.S.**, Rahnev, D., D'Esposito, M. (2024). Task learning is subserved by a domain-general brain network. *Cerebral Cortex*.
- Larson, A.S.**, Fox Tree, J.E. (2023). Framing, more than speech, affects how machine agents are perceived. *Behaviour & Information Technology*, DOI: 10.1080/0144929X.2023.2278086
- Fox Tree, J.E., D'Arcey, J.T., Hammond, A.A., **Larson, A.S.** (2020). The Sarchasm: Sarcasm Production and Identification in Spontaneous Conversation. *Discourse Processes*, DOI: 10.1080/0163853X.2020.1759016
- Rahnev, D., Nee, D.E., Riddle, J., **Larson, A.S.**, D'Esposito, M. (2016). Causal evidence for frontal cortex organization for perceptual decision making. *Proceedings of the National Academy of Sciences of the United States of America*, 113(21), 6059-6064.

PRESENTATIONS

- Larson, A.**, Smith, R., Cerqueira Fernandes, J., Das, C., Aylett, M. (2024, July). Affinity: Dialogs to build human-robot rapport. Poster presented by Larson at the UK and Ireland Speech (UKIS) Workshop 2024. Cambridge, UK.
- Larson, A.S.**, Fox Tree, J.E. (2019, November). Believing a Robot is a Human Improves Impression Formation. Poster presented by Larson at the Psychonomic Society's 60th Annual Meeting. Montreal, Québec, Canada.
- Larson, A.S.** (2019, April). Do the robot! Keeping the beat with humans and machines. Graduate Research Symposium 2019 talk. Santa Cruz, California USA.
- Hammond, A.A., D'Arcey, J.T., **Larson, A.S.**, Fox Tree, J.E. (2017, November). The more sarcastic you are, the more sarcastic you think others are. Poster presented by Hammond at the Psychonomic Society's 58th Annual Meeting. Vancouver, B.C., Canada.
- Larson, A.**, Collins, J., Davidenko, N. (2015, July). "No way!": Similar contribution of visual and auditory cues to sarcasm comprehension. Poster presented at the 37th Annual Conference of the Cognitive Science Society. Pasadena, California USA.
- Rahnev, D., **Larson, A.**, D'Esposito, M. (2015, February). Prefrontal cortex and perception: A TMS-fMRI study. Poster presented at the 26th Annual Bay Area Vision Research Day. Berkeley, California USA.
- Rahnev, D., **Larson, A.**, D'Esposito, M. (Presented by Rahnev). (2014, April). Distinguishing three prefrontal processes in perceptual decision-making: A TMS-fMRI study. Poster. *Cognitive Neuroscience Society*.
- Rahnev, D., **Larson, A.**, D'Esposito, M. (2013, November). Causal mapping of lateral prefrontal regions to separate stages of perceptual decision-making. Nano-symposium talk. *Society for Neuroscience*.

LECTURING POSITION AT THE UNIVERSITY OF CALIFORNIA, SANTA CRUZ

Summer 2019 Psychology of Language (5 week course, 80 enrolled students)

TEACHING ASSISTANTSHIPS AT THE UNIVERSITY OF CALIFORNIA, SANTA CRUZ

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| Spring 2019 | Statistics, Dr. Saskias Casanova |
| Winter 2019 | Research Methods, Dr. Benjamin Storm Gave a guest lecture on my research (239 enrolled students) |
| Fall 2018 | Research Methods, Dr. Leila Takayama Gave a guest lecture on my research (241 enrolled students) |
| Spring 2018 | Research Methods, Dr. Leila Takayama Gave a guest lecture on my research (192 enrolled students) |
| Winter 2018 | Cognition, Dr. Margaret Wilson |
| Fall 2017 | Roman History - Pompeii, Dr. Charles Hedrick |
| Spring 2017 | Cognitive Neuroscience, Dr. Cassidy Sterling |
| Winter 2017 | Psych of Language, Dr. Fox Tree |
| Fall 2016 | Abnormal Psychology, Patrawat Samermit |
| Spring 2016 | Research Methods, Dr. Cassidy Sterling Gave a guest lecture on APA style (185 enrolled students) |
| Winter 2016 | Cognition, Dr. Margaret Wilson Gave a guest lecture on implicit memory (171 enrolled students) |
| Fall 2015 | Psych and Religion, Dr. Ralph Quinn |
| Summer 2015 | Research Methods, Dr. Faye Crosby |
| Spring 2015 | Perception, Dr. Nicolas Davidenko Gave a guest lecture on chemical senses (170 enrolled students) |
| Winter 2015 | Statistics, Dr. Audun Dahl |

PROFESSIONAL MEMBERSHIPS

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| 2019 - Present | Women in Cognitive Science |
| 2019 - 2020 | Psychonomic Society |
| 2014-2017 | American Psychological Association |
| 2015-2016 | Cognitive Science Society |

OTHER WORK EXPERIENCE

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| 2019 - Present | Social Media Marketing Specialist at Lark in the Morning, Berkeley, CA |
| 2019 - Present | Freelance illustrator; Commissioned portraits and book illustrations. |
| 2014 - 2019 | Dance Instructor and Organizer, East Bay Waltz, Berkeley, CA |
| 2018 | Summer internship at Catalia Health in Engineering designing a robot animation tool |
| 2012 - 2014 | Director's Assistant, Berkeley Russian School, Berkeley, CA |
| 2012 | Assistant copy-editor for the textbook <i>Doing Collaborative Research in Psychology</i> |
| 2010 | Illustrations Editor and Illustrator for Lewis & Clark school newspaper |

SERVICE

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| 2024 | Glasgow Science Festival 2024 volunteer, running a demo with the robot Miro |
| 2016 - 2019 | Diversity, Equity, and Inclusion Committee member, UCSC |
| 2017 - 2018 | Noise as Critical Research in Sound Studies working group member |
| 2017 | Ad-hoc reviewer, Memory & Cognition |
| 2016 - 2017 | Campus Representative for APAGS-ACT, UCSC |
| 2016, 2018 | Outreach to De Anza college students, hosting at UCSC |
| 2015 | Outreach to Cognitive Science Student Association of UCSC |

MENTORING RESEARCH ASSISTANTS

- As a graduate student researcher, I have interviewed, hired, and mentored thirteen undergraduate researchers in Psychology. Of these, twelve have identified as female, one as male.
- Mentorship has taken the form of in-depth descriptions of participant running procedures, training in using various technologies around the lab, as well as some basics in Python coding.
- In addition to this training, I advised on graduate program applications and professional development, and wrote recommendation letters.

SKILLS

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| Programming | Python, Website Design (HTML/CSS, Javascript), Statistics (MATLAB, R, SPSS). |
| Software/Tools | Graphical design (ProCreate, Photoshop, Illustrator), Audio editing (Audacity). |
| Certifications | Certified in the use of TMS and MRI at UC Berkeley (2014), CITI certified (2020). |
| Natural Languages | Native English speaker. Also some French (7 years study) and Russian (4 years study). |

REFERENCES

Associate Professor Matthew Aylett (Line Manager)
 School of Mathematical and Computer Sciences
 Heriot-Watt University
 Edinburgh, Scotland
 H14 4AS United Kingdom
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Professor Jean E. Fox Tree (Graduate Advisor)
 Department of Psychology
 University of California Santa Cruz
 Santa Cruz, CA 95064
foxtree@ucsc.edu

Professor Leila Takayama
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... more references available upon request