

Anil K. Ramakrishna

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Education	Doctor of Philosophy Computer Science — <i>GPA: 3.9/4.0</i> Advisor: Prof. Shrikanth Narayanan Signal Analysis and Interpretation Laboratory University of Southern California, Los Angeles, CA	May 14 - Aug 19 (expected)
	Master of Science Electrical Engineering — <i>GPA: 3.95/4.0</i> Computer Science — <i>GPA: 3.7/4.0</i> University of Southern California, Los Angeles, CA	Fall 18 - Spring 19 Fall 12 - Spring 14
	Bachelor of Engineering Information Science — <i>Agg. %: 80.2/100</i> B.M.S. College of Engineering Visvesvaraya Technological University, Belgaum, India	July 06 - May 10
Research Interests	Sentiment Analysis, Natural Language Processing, Machine Learning.	
Relevant Coursework	Advanced Natural Language Processing, Statistical Machine Learning, Data Mining and Statistical Inference, Mathematics of High-Dimensional Data, Probabilistic Graphical Modeling, Neural Networks, Linear Algebra, Probability and Statistics for Engineers, Optimization for the Information and Data Sciences, Foundations of Artificial Intelligence, Parallel Programming, Information Retrieval.	
Publications	Victor R Martinez, Anil Ramakrishna , Ming-Chang Chiu, Karan Singla, Shrikanth Narayanan, <i>A system for the 2019 Sentiment, Emotion and Cognitive State Task of DARPA's LORELEI project</i> , in: Proceedings of the 8th International Conference on Affective Computing & Intelligent Interaction (ACII), Cambridge, September 2019.	
	Anil Ramakrishna , Rahul Gupta, Shrikanth Narayanan, <i>Joint Multi-Dimensional Model for Global and Time-Series Annotations</i> , in review: IEEE Transactions of Affective Computing.	
	Victor R Martinez, Krishna Somandepalli, Karan Singla, Anil Ramakrishna , Yalda T Uhls, Shrikanth Narayanan, <i>Violence Rating Prediction from Movie Scripts</i> , in: Proceedings of the Advancement of Artificial Intelligence (AAAI), Honolulu, January 2019.	
	Anil Ramakrishna , Timothy Greer, David Atkins, Shrikanth Narayanan, <i>Computational modeling of conversational humor in psychotherapy</i> , in: Proceedings of Inter-speech, Hyderabad, India, 2018.	
	Nikolaos Malandrakis, Anil Ramakrishna , Victor Martnez, Tanner Sorensen, Dogan Can, Shrikanth Narayanan, <i>The ELISA Situation Frame extraction for low resource languages pipeline for LoReHLT2016</i> . in: Machine Translation, 2017.	
	Anil Ramakrishna , Victor R. Martinez, Nikolaos Malandrakis, Karan Singla and Shrikanth Narayanan, <i>Linguistic analysis of differences in portrayal of movie charac-</i>	

ters. in: Proceedings of Association for Computational Linguistics (ACL), Vancouver, July 2017.

Anil Ramakrishna, Rahul Gupta, Rush B. Grossman and Shrikanth S. Narayanan, *An Expectation Maximization Approach to Joint Modeling of Multidimensional Ratings Derived from Multiple Annotators*. in: Proceedings of Interspeech, San Francisco, 2016.

Jangwon Kim, **Anil Ramakrishna**, Sungbok Lee and Shrikanth Narayanan. *Relations between prominence and articulatory-prosodic cues in emotional speech*. in: Proceedings of Speech Prosody, Boston, 2016.

Anil Ramakrishna, Nikolaos Malandrakis, Elizabeth Staruk and Shrikanth S. Narayanan. *A quantitative analysis of gender differences in movies using psycholinguistic norms*. in: Proceedings of Empirical Methods in Natural Language Processing (EMNLP), Lisbon, Portugal, 2015.

Daniel Bone, Matthew P. Black, **Anil Ramakrishna**, Ruth Grossman and Shrikanth S. Narayanan. *Acoustic-Prosodic Correlates of Awkward Prosody in Story Retellings from Adolescents with Autism*, in: Proceedings of Interspeech, Dresden, Germany, 2015.

Tanaya Guha, Zhaojun Yang, **Anil Ramakrishna**, Ruth Grossman, Darren Hedley, Sungbok Lee and Shrikanth S. Narayanan. *On Quantifying facial expression-related atypicality of children with autism spectrum disorder*. in: Proceedings of IEEE International Conference on Audio, Speech and Signal Processing (ICASSP), Brisbane, 2015.

David Kale, Marjan Ghazvininejad, **Anil Ramakrishna**, Jingrui He and Yan Liu. *Hierarchical Active Transfer Learning*. in: Proceedings of the 2015 SIAM International Conference on Data Mining (SDM), 2015.

Anil Ramakrishna, Yu-Han Chang and Rajiv Maheswaran. *An Interactive Web Based Spatio-Temporal Visualization System*. in: Proceedings of Advances in Visual Computing, 2013.

Research Projects

Exploiting Language Information for Situational Awareness (ELISA)

This DARPA project focuses on developing effective low cost technologies for Machine Translation, Sentiment Analysis, Information Extraction and Topic discovery for low resource languages to assist with crisis response and management.

Media Informatics and Content Analysis (MICA)

We're working on quantifying various aspects of visual media (movies, television shows and ads) through the modalities of speech, vision and language. I've been working on constructing analytics on linguistic cues from dialogues in movie scripts to quantify differences in demographics.

Patents

Shrikanth Narayanan, Victor Martinez Palacios, **Anil Ramakrishna**, Krishna Somandepalli, Nikolaos Malandrakis, Karan Singla, *Linguistic analysis of differences in portrayal of movie characters*. US Patent App. 16/137,091, 2019.

Experience

Applied Scientist Intern

Amazon Inc.
Boston, MA

May 18 - August 18

- Developed a model combination strategy to address operational constraints with shared data training for Amazon's Alexa NLU pipeline.

Systems Administration Assistant

Fall 12 - Spring 14

Computational Biology and Bioinformatics group
University of Southern California, Los Angeles, CA

- Responsible for installation, configuration and trouble shooting of servers with Unix like operating systems.

Systems Software Engineer

June 10 - July 12

Hewlett Packard R&D, Bangalore, India

- Worked on development of two frameworks used for file system validation in HP-UX.

Software Engineering Intern

Jan 10 - May 10

National Instruments R&D, Bangalore, India

- Worked on development of advanced debugging tools in NI's LabVIEW.

Computer Skills

Languages: Python, C, C++ & Java(Beginner), LaTeX,
BASH shell scripting
Technical Computing: MATLAB, GNU Octave, R, LabVIEW(Beginner)
System Administration: GNU/Linux, openSUSE

Extra-curriculars

Certified Facilitator, Art of Living Foundation Jan 19-present
Coordinator, Machine Learning Reading Group, SAIL Fall 15-present
President, Yoga and Meditation Club at USC Fall 14 - present
Vice-President, Yoga and Meditation Club at USC Fall 13 - Spring 14
Volunteer, Art of Living Foundation 07 - present

Nationality

Indian (under F1 visa)