

## Anil K. Ramakrishna

### Home Address

Apt. 9, 2360 Portland Street  
Los Angeles, CA 90007  
+1-2133008520  
*akramakr@usc.edu*

### Work Address

Room 320, Ronald Tutor Hall  
3710 S. McClintock Ave  
Los Angeles, CA 90089-2905

### Education

#### Doctor of Philosophy

Computer Science — *GPA: 3.9/4.0*  
Advisor: Prof. Shrikanth Narayanan  
Signal Analysis and Interpretation Laboratory  
University of Southern California, Los Angeles, CA

Summer 14 - present

#### Master of Science

Electrical Engineering — *GPA: 3.94/4.0*  
Computer Science — *GPA: 3.7/4.0*  
University of Southern California, Los Angeles, CA

Summer 2019 (expected)

Fall 12 - Spring 14

#### Bachelor of Engineering

Information Science — *Agg. %: 80.2/100*  
B.M.S. College of Engineering  
Visvesvaraya Technological University, Belgaum, India

July 06 - May 10

### Research Interests

Natural Language Processing, Machine Learning, Data Mining.

### Relevant Coursework

Advanced Natural Language Processing, Statistical Machine Learning, Data Mining and Statistical Inference, Probabilistic Graphical Modeling, Neural Networks, Foundations of Artificial Intelligence, Parallel Programming, Information Retrieval.

### Publications

**Anil Ramakrishna**, Timothy Greer, David Atkins, Shrikanth Narayanan, *Computational modeling of conversational humor in psychotherapy*, to appear: Interspeech, Hyderabad, India, 2018.

Nikolaos Malandrakis, **Anil Ramakrishna**, Victor Martnez, Tanner Sorensen, Dogan Can, Shrikanth Narayanan, *The ELISA Situation Frame extraction for low resource languages pipeline for LoReHLT2016*. in: Machine Translation, 2017.

**Anil Ramakrishna**, Victor R. Martinez, Nikolaos Malandrakis, Karan Singla and Shrikanth Narayanan, *Linguistic analysis of differences in portrayal of movie characters*. 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 norma-*

*tives*. 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)

In this project we're building programs to automatically estimate movie screen times, speaking times and other differences in portrayal of gender and other dimensions (such as race, age, etc.) in movies. I've been working on text analytics from dialogues in movie scripts to quantify the above differences.

## Experience

### Applied Scientist Intern

May 2018 - August 2018

Amazon Inc.

Boston, MA

- 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.

<b>Computer Skills</b>	<u>Languages:</u>	Python, C, C++ & Java(Beginner), LaTeX,
	<u>Technical Computing:</u>	BASH shell scripting MATLAB, GNU Octave, LabVIEW(Beginner)
	<u>System Administration:</u>	GNU/Linux, openSUSE
<b>Extra-curriculars</b>	<i>Coordinator</i> , Machine Learning Reading Group, SAIL	Fall 2015-present
	<i>President</i> , Yoga and Meditation Club at USC	Fall 14 - present
	<i>Vice-President</i> , Yoga and Meditation Club at USC	Fall 13 - Spring 14
	<i>Volunteer</i> , Art of Living Foundation	2007 - present
<b>Nationality</b>	Indian (under F1 visa)	