

Adithya Renduchintala

3400 North Charles Street
Baltimore, MD 21218
adi.r@jhu.edu

RESEARCH INTERESTS Statistical Machine Translation, Natural Language Processing, Applied Machine Learning

EDUCATION

<i>PhD, Computer Science</i> Johns Hopkins University, Baltimore, MD Advisors: Philipp Koehn and Jason Eisner	2013 - Present
<i>MS, Computer Science,</i> University of Colorado, Boulder, CO	2010 - 2012
<i>MS, Electrical Engineering, Arts Media and Engineering</i> Arizona State University, Tempe, AZ	2005-2008
<i>BE, Electrical Engineering</i> Anna University, SRM Engineering College, Chennai, INDIA	2001-2005

TECHNICAL SKILLS

Advanced: Python, Java
Proficient: C/C++, Javascript, JQuery, NodeJs
Distributed Computing: OpenMPI, OpenMP, Spark, Hadoop
NLP tools: NLTK, Moses, OpenFST, CoreNLP
Deep Learning Frameworks: Theano, TensorFlow

PUBLICATIONS

A. Renduchintala, R. Knowles, P. Koehn, and J. Eisner. User modeling in language learning with macaronic texts. ACL 2016.

A. Renduchintala, R. Knowles, P. Koehn, and J. Eisner. Creating interactive macaronic interfaces for language learning. ACL Demo Session 2016.

R. Knowles, A. Renduchintala, P. Koehn, and Jason Eisner, Analyzing learner understanding of novel L2 vocabulary. CoNLL 2016.

R. Cotterell, A. Renduchintala, N. P. Saphra and C. Callison-Burch. An Algerian Arabic-French Code-Switched Corpus. LREC-2014 Workshop on Free/Open-Source Arabic Corpora and Corpora Processing Tools. 2014.

A. Renduchintala, A. Zhang, T. Polzin, G. Saadawi. Using Machine Learning and HL7 LOINC DO for Classification of Clinical Documents. AMIA, Washington, DC. 2013.

A. Renduchintala, A. John, S. Kelkar, and D. Duncan-Seligmann. Collaborative Tagging and Persistent Audio Conversations. Web 2.0 and Social Software Workshop in Conjunction with ECSCW. 2007.

A. Renduchintala, A. John, S. Kelkar, and D. Duncan-Seligmann. Designing for persistent Audio Conversations in the Enterprise. Design for User Experience. 2007.

A. Renduchintala, A. Kelliher, and H. Sundaram. Creating Serendipitous Encounters in a Geographically Distributed Community. HCM Workshop in Conjunction with ACM. 2006.

- EXPERIENCE**
- Software Engineer* 2012 - 2013
M*Modal, NLP Group
Pittsburg, PA
- Overhauled clinical document pipeline to include Automated document classification using SVMs.
 - Built statistical models for Tokenization, Chunking and Entity Detection in the clinical domain.
- Software Developer* 2008 - 2012
Speech Research Group, Rosetta Stone Labs
Boulder, CO & Harrisonburg, VA
- Designed, implemented and evaluated new interfaces for language learning. Integrated speech recognition into learning exercises and collaborative learning activities.
- Research Scientist Intern* Summer 2007
Avaya Labs, Collaborative Applications Group
Lincroft, NJ
- Developed an interactive graph based visualization tool to explore, annotate and retrieve relevant audio datasets generated by conferences in enterprises.
- Research Assitant* 2006-2008
Arizona State University, Situated Multimedia Systems Lab
Tempe, AZ
- Designed and implemented visualization application for tags and meta-data associated with uploaded content.

COURSEWORK Natural Language Processing (Fall '13), Graphical Models (Fall '13), Statistical Machine Translation (Spring '14), Algorithms (Spring '14), Introduction to Machine Learning (Fall '14), Artificial Intelligence (Fall '15)

LANGUAGES *Fluent:* English, Telugu
Proficient: Hindi, Tamil

Updated July 2016