

# CURRICULUM VITAE

Melissa Annette Redford

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## DEGREES

Ph.D. in Psychology, University of Texas at Austin, 1999 (December).

Thesis: "An articulatory basis for the syllable"

M.A. in Linguistics, University of Texas at Austin, 1995.

B.A. in Anthropology, University of California in Berkeley, 1992.

## ACADEMIC EXPERIENCE

Associate Professor, Department of Linguistics, University of Oregon, 2009—present.

Assistant Professor, Department of Linguistics, University of Oregon, 2002—2009.

NIH Post-Doctoral Fellow, Department of Computer Sciences, University of Texas at Austin, 2000—02.

## RESEARCH STATEMENT

My research focuses on the multiword plans that guide fluent speech. In one line of work, we use articulatory, acoustic, and psycholinguistic measures to investigate the structure of the speech plan and the parameters that control rate, emphasis, and style changes in spoken language. In another line of work, we use clinical assessment tools as well as acoustic and psycholinguistic measures to investigate how language and nonlanguage subsystems interact to support the development of hierarchically organized speech.

## GRANTS, FELLOWSHIPS & AWARDS

### External

NIH Research Project Grant (R01)

"Acquisition of Temporal Patterns in Child Speech and Language"

National Institute of Child Health and Human Development (1 R01 HD061458), 2009—14.

Role: PI

NIH National Research Service Award

"The Source of Cross-Language Variation in Syllable Systems"

National Institutes of Deafness and Other Communicative Disorders (5 F32 DC00459), 2000—02.

Graduate Research Fellowship

National Science Foundation (NSF), 1995—98.

## **Internal**

Summer Research Award

University of Oregon, tenured & non-tenured faculty competition, 2003.

Professional Development Awards

University of Oregon, 2003, 2004, 2005, 2006, 2007.

Hutchinson Fellowship

University of Texas at Austin, 1 award per college, 1998–99.

Bruton Fellowship

University of Texas at Austin, 1996, 1997.

Professional Development Awards

University of Texas at Austin, 1995, 1996, 1998, 1999.

## **PEER-REVIEWED PUBLICATIONS**

### **Journal Articles**

Choe, W.K., Redford, M.A. (submitted). The relationship between speech errors and prosodic phrase boundaries.

Redford, M.A. (under revision). A comparative analysis of pausing in child and adult storytelling.

Oh, G., Redford, M.A. (revised & resubmitted). The production and representation of fake geminates in English.

Redford, M.A., Gildersleeve-Neumann, C.E. (2009). The development of distinct speaking styles in preschool children. *Journal of Speech, Language, and Hearing Research*, **52**, 1434-1448.

Redford, M.A. (2008). Production constraints on learning novel onset phonotactics. *Cognition*, **107**, 785–816.

Redford, M.A., Miikkulainen, R. (2007). Rate effects on structure in a source-filter model of phonological development. *Language* **83**, 737–69.

Redford, M.A., Gildersleeve-Neumann, C.E. (2007). The acquisition of two phonetic cues to word boundaries. *Journal of Child Language* **34**, 815–43.

Redford, M.A. (2007). Word-internal versus word-peripheral consonantal duration patterns in three languages. *Journal of the Acoustical Society of America* **121**, 1665–78.

Redford, M.A., Randall, P. (2005). The role of juncture cues and phonological knowledge in English syllabification judgments. *Journal of Phonetics* **33**, 27–46.

Redford, M.A., Davis, B.L., Miikkulainen, R. (2004). Phonetic variability and prosodic structure in motherese. *Infant Behavior and Development* **27**, 477–98.

Redford, M.A., Chen, C.C., Miikkulainen, R. (2001). Constrained emergence of universals and variation in syllable systems. *Language and Speech* **44**, 27–56.

Redford, M.A., Diehl, R.L. (1999). The relative perceptual distinctiveness of initial and final consonants in CVC syllables. *Journal of the Acoustical Society of America* **106**, 1555–65.

Redford, M.A., MacNeilage, P.F., Davis, B.L. (1997). Production constraints on utterance-final consonant characteristics in babbling. *Phonetica* **54**, 172–86.

## Refereed Proceedings

- Redford, M.A., Gildersleeve-Neumann, C.E. (2007). Children's clear speech suggests word-level targets: preliminary evidence. In Trouvain, J., Barry, W.J. (eds.), *Proceedings from the 16th International Congress of Phonetic Sciences, (ICPhS-07 Saarbrücken, Germany)*, pp. 365–68.
- Doty, C. Redford, M.A. (2007). Stress and boundary effects on anticipatory and preservative nasal airflow. In Trouvain, J., Barry, W.J. (eds.), *Proceedings from the 16th International Congress of Phonetic Sciences, (ICPhS-07 Saarbrücken, Germany)*, pp. 985–88.
- Redford, M.A., Chen, C.C., Miikkulainen, R. (1998). Modeling the emergence of syllable systems. In Gernsbacher, M.A., Derry, S.J. (eds.), *Proceedings of the 20th Annual Meeting of the Cognitive Science Society, (COGSCI-98 Madison, WI)*, pp. 882-886. Hillsdale, NJ: Erlbaum.

## OTHER PUBLICATIONS

### Book Chapters

- Redford, M.A., van Donkelaar, P. (2008). Jaw cycles and linguistic syllables in adult English. In Davis, B.L., Zajdo, K. (eds.), *The Syllable in Speech Production: Perspectives on the Frame/Content Theory* (pp. 355-76). London: Taylor & Francis.
- Cohen, L.B., Amsel, G., Redford, M.A., Casasola, M. (1998). The development of infant causal perception. In Slater, A. (ed.), *Perceptual Development: Visual, Auditory, and Speech Perception in Infancy* (pp. 167-209). London: Taylor & Francis.

### Proceedings

- Redford, M.A. (2004). Origin of consonant duration patterns. In Agwuele, A. Warren, W., Park, S-H. (eds.) *Proceedings from the 8th Annual Texas Linguistics Society Conference: Coarticulation in Speech Production and Perception*, pp. 54–61. Cascadilla Press.
- Redford, M.A. (2003). Cognitive template for a phonetic correlate of syllable structure. In Solé, M.J., Recasens, D., Romero, J. (eds.), *Proceedings from the 15th International Congress of Phonetic Sciences, (ICPhS-03 Barcelona, Spain)*, pp. 2261–64. Casual Productions.
- Redford, M.A. (1999). The mandibular cycle and reversed-sonority onset clusters in Russian. In Ohala, J.J., Hasegawa, Y., Ohala, M., Granvill, D., Bailey, A.C. (eds.), *Proceedings from the 14th International Congress of Phonetic Sciences, (ICPhS-99 San Francisco, USA)*, pp. 1893-1896. American Institute of Physics.

### Technical Report

- Redford, M. A., Miikkulainen, R. (2001). Abrupt and Gradual Sound Change in an Expanding Lexicon. The University of Texas at Austin, Department of Computer Sciences. AI Technical Report 01-289. June 2001. 24 pages.

## **PRESENTATIONS**

### **Invited talks**

Redford, M.A., Cornell-Fabiano, J. (May, 2011). The utility of content-free acoustic analyses for assessing prosodic disorder in children. *161<sup>st</sup> Meeting of the Acoustical Society of America*, Seattle, WA.

Redford, M.A. (July, 2009). Syllables in adult speech and language. *Center for Spoken Language Understanding, Oregon Health Sciences University*, Portland, OR.

Redford, M.A. (April, 2008). Meaning and mechanics in speech and language acquisition. *First Annual Complex Systems & Language Workshop*, Tucson, AZ.

Redford, M.A. (June, 2007). How boundary phenomena illustrate meaning and mechanics in speech production. *Hangyang University and The University of Oregon Linguistics Faculty Symposium*, Seoul, Korea.

Redford, M.A. (August, 2003). Phonetic and phonological consequences of an asymmetric jaw cycle. *Ontogeny and Phylogeny of Syllable Organization*, a satellite conference to the *15<sup>th</sup> International Congress of Phonetic Sciences*, Barcelona, Spain.

Redford, M.A. (September, 2000). Emergence of variation between syllable systems. *6<sup>th</sup> International Conference on the Simulation of Adaptive Behavior*, Paris, France.

### **Conference presentations**

Redford, M.A., Fanning, J.L. (April, 2011). Individual differences in the fluency and rate of speech produced by school-aged children. *2011 Biennial Meeting of the Society for Research in Child Development*, Montreal, Quebec, Canada.

Sirsa, H., Redford, M.A. (April, 2011). Positional effects on focus-induced lengthening in school-aged children's language. *2011 Biennial Meeting of the Society for Research in Child Development*, Montreal, Quebec, Canada.

Shport, I., Redford, M.A. (January, 2011). Separation of lexical and phrasal-level prosodic cues in 1<sup>st</sup> graders' speech. *85<sup>th</sup> Meeting of the Linguistics Society of America*, Pittsburgh, PA.

Choe, W.K., Redford, M.A. (November, 2010). Grammaticalized syntactically disambiguating prosody. *2nd Pan-American/Iberian Meeting on Acoustics*, Cancun, Mexico.

Dilley, L., Redford, M., Millet, A., Wieland, E. (November, 2010). Effects of perceived age on prosodic judgments of child and adult speech. *2nd Pan-American/Iberian Meeting on Acoustics*, Cancun, Mexico.

Sirsa, H., Redford, M.A. (November, 2010). A comparison of suprasegmentals and segmentals in Indian English, Hindi, and Telugu. *2nd Pan-American/Iberian Meeting on Acoustics*, Cancun, Mexico.

Choe, W.K., Redford, M.A. (July, 2010). The relationship between speech errors and prosodic phrase boundaries. *12<sup>th</sup> Conference on Laboratory Phonology*, Albuquerque, NM.

Redford, M.A. (July, 2010). The relationship between speech errors and prosodic phrase boundaries. *12<sup>th</sup> Conference on Laboratory Phonology*, Albuquerque, NM.

Redford, M.A. (June, 2009). Some comparative data on pausing in child and adult story telling. *International Child Phonology Conference*, Austin, TX.

- Oh, G., Redford, M.A. (May, 2009). The effect of boundary recoverability on geminate length in English. *157<sup>th</sup> Meeting of the Acoustical Society of America*, Portland, OR.
- Redford, M.A., Barbosa, A.V., Vatikiotis-Bateson, E. (May, 2009). Comparing contrastively focused and clear speech productions of color terms. *157<sup>th</sup> Meeting of the Acoustical Society of America*, Portland, OR.
- Redford, M.A. (June, 2008). Interactions between timing and intonation in the spontaneous speech of 5-year-olds. *International Child Phonology Conference*, West Lafayette, IN.
- Oh, G., Redford, M.A. (January, 2008). Length as a target for fake geminates in English. *82nd Meeting of the Linguistics Society of America*, Chicago, IL.
- Doty, C., Redford, M.A. (August, 2007). Stress and boundary effects on anticipatory and preservatory nasal airflow. *16th International Congress of Phonetic Sciences*, Saarbrücken, Germany.
- Redford, M.A., Gildersleeve-Neumann, C.E. (August, 2007). Children's clear speech suggests word-level targets: preliminary evidence. *16th International Congress of Phonetic Sciences*, Saarbrücken, Germany.
- Notestine, L.S., Redford, M.A.. (November, 2006). Interactions of verbal ability and morphological processing in the English mental lexicon. *7th Conference of the High Desert Linguistics Society*, Albuquerque, NM.
- Redford, M.A., Gildersleeve-Neumann, C.E. (June, 2006). Exploring vowel representation via preschool children's register shifts. *10th Conference on Laboratory Phonology*, Paris, France.
- Redford, M.A., Gildersleeve-Neumann, C.E. (June, 2006). The acquisition of two phonetic cues to word boundaries. *5th International Conference on Speech Motor Control*, Nijmegen, The Netherlands.
- Redford, M.A. (May, 2005). Temporal evidence against the production of word-internal syllable structure. *149th Meeting of the Acoustical Society of America*, Vancouver, BC, Canada.
- Redford, M.A. (June, 2004). Phonological differences emerging from slow versus fast lexicon expansion. *9th Conference on Laboratory Phonology*, Champagne-Urbana, IL.
- Redford, M.A. (August, 2003). Cognitive template for a phonetic correlate of syllable structure. *15th International Congress of Phonetic Sciences*, Barcelona, Spain.
- Redford, M.A. (March, 2003). Origin of the segment duration pattern associated with onset clusters. *7th Texas Linguistics Society*, Austin, TX.
- Redford, M.A. (January, 2003). The relationship between syllable structure and segment duration patterns in Finnish. *77th Meeting of the Linguistics Society of America*, Atlanta, GA.
- Redford, M.A., Davis, B.L., Miikkulainen, R. (November, 2001). Distinctiveness of disyllables in the phrases of spontaneous infant-directed speech. *26th Boston University Conference on Language Development*, Boston, MA.
- Redford, M.A., Davis, B.L. (November, 2001). The distinctiveness of segmentation cues in spontaneous infant-directed speech. *2001 Convention of the American Speech-Language-Hearing Association*, New Orleans, LA.

- Redford, M.A. (August, 1999). The mandibular cycle and reversed-sonority onset clusters in Russian. *14th International Congress of Phonetic Sciences*, San Francisco, CA.
- Redford, M.A. (January, 1999). Enhanced perceptual distinctiveness of voiceless fricatives as a function of context. *73rd Meeting of the Linguistics Society of America*, Los Angeles, CA.
- Redford, M.A., Chen, C.C., Miikkulainen, R. (August, 1998). Modeling the emergence of different syllable structure systems. *20th Meeting of the Cognitive Science Society*, Madison, WI.
- Redford, M.A., Chen, C.C., Miikkulainen, R. (April, 1998). Constrained evolution of syllable systems. *2nd Evolution of Language Conference*, London, England.
- Redford, M.A., Cohen, L.B. (August, 1997). Infants' conceptual understanding and organization of agents and patients. *19th Cognitive Science Conference*, Palo Alto, CA.
- Redford, M.A., Diehl, R.L. (December, 1996). A study on the relative perceptibility of syllable-initial and syllable-final consonants. *132nd Meeting of the Acoustical Society of America*, Honolulu, HA.
- Redford, M.A., Cohen, L.B. (April, 1996). Infants' conceptual understanding of agents and patients. *10th Meeting of the International Society on Infant Studies*, Providence, RI.
- Redford, M.A. (January, 1995). Determinants of final-consonants in the CVC syllables of infant babbling. *69th Meeting of the Linguistics Society of America*, New Orleans, LA.

## **TEACHING**

### **Courses (2002—present)**

- LING 101: Introduction to Language (S '03, F '03)
- LING 162: Nature vs. Nurture in Language (S '05, F '05, F '06)
- LING 199: Evolution of Language (F '04)
- LING 202: Language Learning & Change (S '09, S '11)
- LING 407/507: Pragmatics and Prosody in Autism (W '11)
- LING 407/507: Prosody in Production (S '08)
- LING 407/507: Psycholinguistics Seminar (F '04)
- LING 411/511: Introduction to Phonetics (W '03, W '04, W '07, W '08)
- LING 450/550: Introduction to Phonology (S '03, S '04, S '05, S '06, S '07, S '08, S '09)
- LING 490/590: Introduction to Sociolinguistics (W '06, W '07, W '08)
- LING 607: Speech Production and Perception (W '03)
- LING 614: Theory of (Laboratory) Phonology (F '05, F '06, F '07)
- LING 621: Empirical Methods in Linguistics (W '08)

### **Theses**

*Ph.D.*

In progress. Grace Oh, *Segmental and Prosodic Features of Bilingual Korean-English Speech*. (Member).

In progress. Irina Shport, *Cross-linguistic Processing of Japanese Pitch Patterns by Speakers of a Stress Language: Perception, Learning, and Training*. (Member).

2009. Kyoung-ho Kang, *The Effect of Clear and Casual Speaking Styles on the Production and Perception of the Korean Stop Contrast* (Member).

2006. Lee Waters (College of Education), *The Effect of Socializing with Hard-of-Hearing Peers on the Self-Advocacy of Hard-of-Hearing School-Aged Children*, (Outside Member) M.A.

2009. Jennifer Piotrowski, *Information Structure of Clefts in Spoken English*, (co-Advisor with Prof. Doris Payne).

2007. Lewis Notestine, *Implicit and Explicit Morphological Processing Strategies in English*, (Principal Advisor)

2005. Modesta Minthorn, *Sonority and the Umatilla Syllable*, (Principal Advisor)

## **SERVICE**

### **Internal**

#### *University*

Child Care & Family Support Committee:

Member (2007–08)

Chair (2008–09)

University of Oregon Senate:

Member (2007–09)

Senate Executive Committee (2008–09)

Ad hoc Presidential Search Committee (UO Senate Subcommittee, 2009)

Academic Affairs Workgroup:

Summer session review (2009)

#### *Departmental*

Curricular Committees:

General education classes (2010)

Undergraduate curriculum (2008)

Psycholinguistics tract (2003)

Phonetics & Phonology tract (2003)

Departmental Umbrella Research Protocol PI & Principal Administrator:

“Language Consultation” (2004–2008)

“Nonnative Speakers’ Pronunciation and Grammaticality Judgments” (2008–present)

“Laboratory Speech and Language” (2008–2009)

Faculty Search Committees:

Chinese Flagship Director (2007–08)

Visiting Assistant Professor in Cognitive Linguistics (2007, 2008)

Tenure-line Assistant Professor in Experimental Linguist (2008–09)

Graduate Student Organizers of Linguistic Colloquia, Faculty Advisor (2005–2009, 2010–present)

Graduate Student Travel Committee, Chair (2004–2009, 2010–present)

Human Subjects Unit Reviewer (2003–07)

Library Liason (2008—2009)  
New Graduate Student Orientation (LING 608, Fall 2007)  
Qualifying Paper Review Administrator (2010—present)

*Community*

Technical Advisor for South Eugene High School:  
Senior Projects in Linguistics (2006, 2007, 2008)

**External**

*Ad hoc grant reviewer for*

Marsden Fund, Economics and Behavioural Sciences Panel, Royal Society of New Zealand.

*Ad hoc journal reviewer for*

Adaptive Behavior, Applied Psycholinguistics, Cognition, Cognitive Science, Journal of the Acoustical Society of America, Journal of English Linguistics, Journal of the International Phonetic Association, Journal of Machine Learning, Journal of Phonetics, Journal of Speech Language and Hearing Research, Laboratory Phonology, Language and Speech, Phonology, Speech Communication

*Ad hoc conference abstract/proceedings reviewer for*

37<sup>th</sup> Annual Conference on African Linguistics (ACAL 2006)  
2008 IEEE World Congress on Computational Intelligence (WCCI 2008)  
157<sup>th</sup> Meeting of the Acoustical Society of America (TPOM for Speech Communications)  
12<sup>th</sup> Conference on Laboratory Phonology (Lab Phon 12, 2010)

**ASSOCIATION MEMBERSHIPS**

Acoustical Society of America  
International Phonetics Association  
Laboratory Phonology  
Linguistics Society of America  
Society for Research in Child Development