

# LESLEY M. CARMICHAEL

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## SUMMARY

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*Skilled phonetician and phonologist* focused on prosodic analysis and speech applications

*Successful team leader* and member with strong project coordination skills

*Avid integrator* of new concepts and technologies

*Experienced developer* of sound research methodology

## CAREER OBJECTIVE

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Create effective speech systems and integrate them into devices that improve people's lives.

## WORK EXPERIENCE

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**9/1998-6/2005**    **Language Learning Center, Staff Associate.**

University of Washington, Seattle, WA.

Chosen as core member of strategic planning team. Determined strategic goals and tasks to establish the center as a leader in digital multimedia technology. Led execution of significant portions of the plan. Plan was successfully completed ahead of schedule. Initiated and regularly produced informative newsletter on language teaching and technology. Worked in a team environment to select and implement new technologies, including audio/video/web development, electronic classrooms, and video conferencing. Provided training for language instructors.

**6/2003-9/2003**    **Dept. of Linguistics, Graduate Research Assistant.**

University of Washington, Seattle, WA.

Organized detailed phonetic annotation of corpus of spoken language variability. Worked with principal investigator to determine superior methodology. Supervised researchers.

**3/2003-6/2003**    **Center for Human-Computer Communication, Research Intern.**

OGI School of Science & Engineering, Beaverton, OR.

Selected for competitive internship. Investigated parameters and variability of spoken and multimodal human input to interactive computer systems. Developed analysis of prosodic fortification strategies used by speakers attempting to resolve speech recognition errors.

**1/2002-3/2003**    **IBM and Dept. of Linguistics, Graduate Research Assistant.**

Yorktown Heights, NY and University of Washington, Seattle, WA.

Prosodically analyzed and annotated large speech corpus. Interfaced directly with IBM on annotation strategies and data transfer. Used Waves+, RedHat 5.2, Mandrake 8.1.

**1992-1997**        **Human Synergistics International, Marketing Coordinator.**

Plymouth, MI.

Created and managed all print and tradeshow marketing for human resources development firm. Managed client accounts. Developed excellent professional and problem solving skills. Supervised staff.

## PROFICIENCIES & ACTIVITIES

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MS Windows XP, Office, Mac OSX +	Peak and various sound editors
Basic Perl	HTML, Dreamweaver
Praat	Tones & Break Indices (ToBI) intonation markup system
Entropics Waves+	Adobe Creative Suite
PitchWorks	Languages: Spanish (reading, basic speaking),
Mac/PCQuirer	Russian (studied), Mandarin (studied)

Active participant and presenter in the Dept. of Linguistics Phonetics Lab.

Topics presented: Phonetic analysis tools and methods, intonation modeling methodology and model classifications.

President of the Linguistics Society at the UW: 1998-9, 1999-2000, 2001-2.

Represented students; participated in faculty search; organized mentorships; encouraged academic exchange among students; served as liaison between students and the faculty and university.

Licensed skydiver, wine enthusiast.

## EDUCATION

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University of Washington, Seattle, WA:

**6/2005 Ph.D., Linguistics.** GPA: 3.9

Ph.D. dissertation: Situation-Based Intonation Pattern Distribution in a Corpus of American English.

**6/2002 Ph.C., Linguistics**

Ph.C. papers: Measuring Intonation.

Age-based Constraints on the Acquisition of Suprasegmental Phonology.

**6/2000 Master of Arts, Linguistics**

M.A. thesis: Measurable Degrees of Foreign Accent: A Correlational Study of Perception, Production, and Acquisition.

## PRESENTATIONS & PUBLICATIONS

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### Conference Presentations

- 1/2004 *Prosodic Fortification in Error Resolution*. Microsoft/UW Colloquium Series, Seattle, WA. (single author)
- 11/2003 *Developing a Corpus of Spoken Language Variability*. 146th Acoustical Society of America (ASA), Austin, TX.
- 11/2003 *Toward a Theory of Organized Multimodal Integration Patterns during Human-Computer Interaction*. 5th International Conference on Multimodal Interfaces (ICMI), Vancouver, BC, Canada. (presented by co-authors)
- 3/2003 *Intonation: Categories and Continua*. 19th Northwest Linguistics Conference (NWLC), Victoria, BC, Canada. (single author)
- 6/2002 *Measuring Intonation: Different Perspectives*. UW Linguistics Colloquium Series. (single author)
- 10/2001 *Catalan (Non)Neutralization, Revisited*. 2001 Western Conference on Linguistics (WECOL), Seattle, WA. (single author)
- 6/2001 *Misperception of Non-Native Paralinguistic*. 141st Acoustical Society of America, Chicago, IL.

- 6/2001 *The Phonetics of Stress Clash in Spontaneous Speech*. 141st Acoustical Society of America, Chicago, IL. (single author)
- 12/2000 *Acoustic Variability and Perceived Foreign Accent*. 140th Acoustical Society of America, Newport Beach, CA. (single author)
- 4/2000 *Measurable Degrees of Foreign Accent*. 16th Northwest Linguistics Conference, Seattle, WA. (single author)

### **Publications**

- Oviatt, S., R. Coulston, S. Shriver, B. Xiao, M. Wesson, R. Lunsford, and L. Carmichael. 2003. Toward a theory of organized multimodal integration patterns during human-computer interaction. *Proc. International Conference on Multimodal Interfaces*, Vancouver, B.C., ACM Press, 44-51.
- M. Ostendorf, I. Shafran, S. Shattuck-Hufnagel, B. Byrne and L. Carmichael. 2001. A prosodically labeled database of spontaneous speech. *Proc. ISCA Workshop on Prosody in Speech Recognition and Understanding*, Red Bank, NJ, 119-121.
- Carmichael, L. and C. Huang (Eds.). 2001. *Proc. Western Conference on Linguistics*, Seattle, WA, 14.
- Carmichael, L. 2001. Catalan (non-)neutralization, revisited. *Proc. Western Conference on Linguistics*, Seattle, WA, 14.
- Carmichael, L. 2000. Measurable degrees of foreign accent: a correlational study of perception, production, and acquisition. *UW Working Papers in Linguistics*, 19.
- Carmichael, L. 1999. The morphosyntactic structure of NPs in rongga. *UW Working Papers in Linguistics*, 16.

References furnished upon request.