

## Education

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- 2016 – current **PhD in Speech, Language, and Hearing Sciences with minor in Cognitive Science**, University of Arizona (Tucson, AZ)
- Dissertation research:** The relationship between science vocabulary breadth/depth and achievement in science for students with and without Developmental Language Disorder
- Committee:** Mary Alt, PhD, CCC-SLP (Chair); Elena Plante, PhD, CCC-SLP; Leah L. Kapa, PhD
- Comprehensive exams completed Spring 2018; on leave for clinical fellowship in 2019-2020**
- 2013 – 2016 **MS in Speech-Language Pathology**, University of Arizona (Tucson, AZ)
- Master's thesis:** Phonological transfer during word learning: Evidence from bilingual school-age Spanish-English-speaking children (Advisor: Mary Alt, PhD, CCC-SLP)
- 2008 – 2012 **BA in Linguistics, cum laude**, University of Oregon, Clark Honors College (Eugene, OR)
- Honors thesis (passed with distinction):** *An introduction to verbal nominalizations in the Wapishana language* (Advisor: Spike Gildea, PhD)

## Publications

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- Alt, M., Figueroa, C. R., Mettler, H. M., Evans-Reitz, N., & **Erikson, J. A.** (2021). A Vocabulary Acquisition and Usage for Late Talkers (VAULT) treatment efficacy study: The effect of input utterance length and identification of responder profiles. *Journal of Speech, Language, and Hearing Research*. [https://doi.org/10.1044/2020\\_JSLHR-20-00525](https://doi.org/10.1044/2020_JSLHR-20-00525)
- Kapa, L. L. & **Erikson, J. A.** (2020). The relationship between word learning and executive function in preschoolers with and without Developmental Language Disorder. *Journal of Speech, Language, and Hearing Research*. [https://doi.org/10.1044/2020\\_JSLHR-19-00342](https://doi.org/10.1044/2020_JSLHR-19-00342)
- Alt, M. Mettler, H., **Erikson, J. A.**, Figueroa, C., Etters-Thomas, S., Arizmendi, G. D. & Oglivie, T. (2020). Exploring input parameters in an expressive vocabulary treatment with late talkers. *Journal of Speech, Language, and Hearing Research*, 63, 216-233. [https://doi.org/10.1044/2019\\_JSLHR-19-00219](https://doi.org/10.1044/2019_JSLHR-19-00219)
- Kapa, L. L. & **Erikson, J. A.** (2019). Variability of executive function performance in preschoolers with Developmental Language Disorder. *Seminars in Speech and Language*, 40, 243-255. <https://doi.org/10.1055/s-0039-1692723>
- Erikson, J. A.**, Alt, M., Gray, S., Green, S., Hogan, T. P., & Cowan, N. (2018). Phonological vulnerability for school-aged Spanish-English-speaking bilingual children. *International Journal of Bilingual Education and Bilingualism*. <https://doi.org/10.1080/13670050.2018.1510892>

## Presentations

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- Erikson, J. A.**, Schoelen, S., Alt, M., & Pyarelal, A. (2021, June). A low language alternative for measuring academic science vocabulary depth. Poster presentation at Symposium on Research in Child Language Disorders (virtual).
- Schoelen, S., Pyarelal, A., **Erikson Pyarelal, J.**, & Alt, M. (2021, January). Sci-Vocab: An open-source web app for studying scientific vocabulary. Poster presentation at the Annual University of Arizona Undergraduate Biology Research Program (UBRP) Conference in Tucson, AZ.
- Kapa, L., Vovakes, A. & **Erikson, J.** (2019, November). Phonotactic probability & neighborhood density effects on word learning in preschoolers with & without DLD. Poster presentation at American Speech-Language-Hearing Association Convention in Orlando, FL.

- Erikson, J.** (2018, October). The role of vocabulary knowledge in science achievement: Dimensions of breadth and depth. Public dissertation prospectus presentation at Speech, Language, and Hearing Sciences Colloquium at the University of Arizona.
- Kapa, L. L., **Erikson, J.**, Plante, E. & Vance, R. (2017, June). Executive function and word learning in preschool-age children with SLI. Poster presentation at Symposium on Research in Child Language Disorders in Madison, WI.
- Erikson, J.**, Alt, M., Gray, S., Hogan, T., Green, S., & Cowan, N. (2016, June). Phonological transfer during word learning: Evidence from bilingual school-age Spanish-English-speaking children. Oral presentation at Symposium on Research in Child Language Disorders in Madison, WI.
- Erikson, J.** (2016, April). Phonological transfer during word learning: Evidence from bilingual school-age Spanish-English-speaking children. Public Master's thesis presentation at Speech, Language, and Hearing Sciences Colloquium at the University of Arizona.
- Erikson, J.** (2015, December). Phonological errors of monolingual and bilingual children. Guest lecture for SLHS 340 Language Science at the University of Arizona.
- Erikson, J.** & Rine Butler, E. (2012, March). A microanalysis of the language socialization of one international teaching assistant: Closing a dialogic lecture in the classroom. Colloquium presentation at the Annual Conference for the American Association of Applied Linguistics in Boston, MA.
- Erikson, J.** (2012, February). A microanalysis of the language socialization of one international teaching assistant: Closing a dialogic lecture in the classroom. McNair Symposium at the University of Oregon.

## Research Experience

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### 2016 – current **Doctoral studies – graduate student researcher**

*L4 Lab (Mary Alt, PhD, CCC-SLP), Speech, Language, and Hearing Sciences, Univ. of Arizona*

#### **Dissertation research**

- ◆ Relations between academic vocabulary knowledge and achievement in science for students with and without Developmental Language Disorder

*Preparatory research during Fall 2017 – Spring 2018: review of relevant literature, novel vocabulary task design, stimuli development and validation, feasibility testing*

#### **Other research projects**

- ◆ The structure of working memory and relations between working memory and academics in children with typical language, Dyslexia, & comorbid Dyslexia/Developmental Language Disorder
- ◆ Parameters for language treatment in late talking toddlers

### 2018 – 2019, 2020 – current **Project co-coordinator for Profiles of Working Memory for Educational Research (POWER) multi-site, longitudinal research project (NIH-NIDCD R01 DC010784 06)**

*L4 Lab (Mary Alt, PhD, CCC-SLP), Speech, Language, and Hearing Sciences, Univ. of Arizona*

In cooperation with project directors for POWER at Arizona State University and University of Arizona, organization and execution of recruitment, assessment and task procedures, training of research assistants, and other tasks related to study implementation

### 2017 – 2019 **Doctoral studies – graduate student researcher**

*Language & Cognition Lab (Leah Kapa, PhD), Speech, Language, and Hearing Sciences, Univ. of Arizona*

- ◆ Word learning and executive functions in preschool children with Developmental Language Disorder and typical language development
- ◆ Variability in executive function performance in children with Developmental Language Disorder

- 2013 – 2016 **Master's studies – graduate student researcher**  
*L4 Lab (Mary Alt, PhD, CCC-SLP), Speech, Language, and Hearing Sciences, Univ. of Arizona*
- ◆ Master's thesis – Phonological errors produced by monolingual English-speaking and bilingual Spanish-English-speaking children in the context of novel word-learning
  - ◆ Data collection – The role of referent variability in acquisition of early-developing prepositions in preschoolers with typical development and Developmental Language Disorders
- 2013 – 2014 **Master's studies – graduate student researcher**  
*Bilingual Phonology Lab (Leah Fabiano-Smith, PhD, CCC-SLP), Speech, Language, and Hearing Sciences, Univ. of Arizona*
- Data analysis – Analysis of speech sounds produced by monolingual & bilingual Spanish-English-speaking children differing in socioeconomic status
- 2011 **McNair Scholar – undergraduate student researcher**  
*Mentored by Dr. Emily Rine Butler, PhD, Linguistics, Univ. of Oregon*
- Research project – A qualitative analysis exploring second language acquisition within a language socialization framework, focusing on the language socialization of one international teaching assistant learning how to end a dialogic lecture in the classroom
- 2010, 2012 **Honors thesis – undergraduate student researcher**  
*Institute on Collaborative Language Research (CoLang) at Univ. of Oregon, mentored by Drs. Spike Gildea (Oregon) and Sérgio Meira (Max Planck)*
- Research project – Data collection and analysis of Wapishana phonology, morphology, and syntax with emphasis on the morphological structure of nominalized verbs; more detailed analysis for undergraduate honors thesis in 2012

## Service & Outreach

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- 2021 **Group review of submission to the Journal of Speech, Language, and Hearing Research**  
 Collaborated with Dr. Leah Kapa and other doctoral students to review a manuscript submitted to the *Journal of Speech, Language, and Hearing Research*
- 2021 **Review of submission to the Journal of Experimental Child Psychology**
- Apr. 2021 **Guest lecture on childhood communication disorders with fellow PhD students, Heidi Mettler, MS, CCC-SLP, and Sarah Lynn Neiling, MA, CCC-SLP**  
 Guest lecture (2 hours via Zoom) in course for psychiatry fellows (4 students) at University of Arizona – topics included common speech and language disorders in children and adolescents, strategies for supporting patients with communication disorders, and case studies
- Sept. 2020 **L4 Lab outreach and recruitment presentation**  
 Virtual presentation and question/answer period with University of Arizona undergraduate club, Neuroscience and Cognitive Science Association of Students (NSCSAS)
- 2018 **Group review of submission to the Journal of Speech, Language, and Hearing Research**  
 Collaborated with advisor, Dr. Mary Alt, and other doctoral students to review a manuscript submitted to the *Journal of Speech, Language, and Hearing Research*
- 2016 **ASHA Research Mentor-Pair Travel Award (RMPTA) Recipient – ASHA Convention 2016**  
 Collaborated with program mentor, Dr. James Montgomery (Ohio University) to review manuscript submitted by one of the Research Symposium speakers to the *Journal of Speech, Language, and Hearing Research*

## Teaching & Mentoring Experience

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- 2015 – current **Graduate research assistant, University of Arizona**  
*Dept. of Speech, Language, and Hearing Sciences, L4 Lab (Mary Alt, PhD, CCC-SLP)*  
 Training and supervision of undergraduate and graduate research assistants on transcription, scoring, data entry, stimuli development, recruitment, data collection (training and administration)
- 2014 – 2018 **Graduate teaching assistant, University of Arizona**  
**Courses:** *Anatomy and Physiology of the Speech Mechanism (SLHS 261, Spring 2017), Language Science (SLHS 340, Fall 2014-17), Phonetics/Speech Science (SLHS 367, Spring 2015-16, 2018)*  
 Assisted primary instructor with teaching duties (e.g., grading, proctoring exams, entering grades, providing guest lectures); held weekly office hours to assist students with course questions
- Fall 2017 **Guest lecturer, University of Arizona – Language Science, Morphology unit (3 classes)**  
*300-level undergraduate course. Approximately 80 students (Course instructor: Leah Kapa, PhD)*
- Summer 2017 **Graduate teaching assistant (main instructor), University of Arizona – Language Science**  
*300-level undergraduate course, 5 days/week for 5 weeks during summer session, 8 students. Highly positive course evaluations (Supervisor: Mary Alt, PhD, CCC-SLP)*

## Honors, Awards, & Assistantships

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- 2018 – 2019, 2020 – 2021 Graduate Research Assistantship – supported by POWER (NIH-NIDCD R01 DC010784 06)
- 2016 – 2020 Galileo Circle Scholar Award (\$1000 per award)
- 2017 Department of Speech, Language, and Hearing Sciences Travel Award (\$300)
- 2017 University of Arizona Graduate and Professional Student Council Travel Grant (\$188)
- 2014 – 2017 Graduate Teaching Assistantship
- 2016 ASHA Research Mentoring-Pair Travel Award (\$750)
- 2016 Travel Award (\$700), Symposium on Research in Child Language Disorders (SRCLD), Madison, WI
- 2016 University of Arizona Graduate and Professional Student Council Travel Grant (\$750)
- 2014 Cassandra Davis Scholarship
- Since 2012 Member of Phi Beta Kappa Society
- 2012 Centurion Award for community service
- 2012 Clark Honors College Thesis passed with distinction
- 2011 - 2012 Endicott Scholarship
- Since 2011 McNair Scholar
- 2008 – 2012 Diversity Excellence Scholarship
- 2009 – 2011 Mary E. Russell Scholarship

## Professional & Scholarly Memberships

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- Since 2020 American Speech-Language-Hearing Association (ASHA)
- 2014 - 2019 National Student Speech Language Hearing Association (NSSLHA)
- Since 2012 Phi Beta Kappa Society

## Other Relevant Experience

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**Graduate coursework in statistics (University of Arizona):** EPID 576a *Biostatistics in Public Health*; CPH 576b *Biostatistics for Research*; ABE 513 *Applied Biostatistics*; EDP 641 *Selected Applications of Statistical Methods (Advanced Linear Models)*; EDP 646a *Applied Multivariate Statistics in Education*