

## Education

- 2016–2020 **The University of Texas at Austin**, B.A. in Linguistics (Honors)  
**Certificates:** Elements of Computing, Scientific Computation and Data Science  
**Honors Thesis:** Modeling Language: Generating Biases (Working Title)
- 2018 **Johns Hopkins University**, Frederick Jelinek Memorial Summer School on Human Language Technology
- 2019 **University of California - Los Angeles**, Mellon Mays Undergraduate Fellowship Writing and Research Training Program

## Research Areas

- Major Fields Computational Linguistics, Sociolinguistics, Psycholinguistics, Computational Social Science  
Focus Lexical Semantics, Language Ideologies, Hispanic Linguistics, Language and Society

## Research Experience

- 2018–Present **Bilingual Annotations Tasks (BATs)**: Research Group; Co-directors: Drs. Bullock, Toribio, and Yerraballi, Duties: Corpus annotation, Data pre-processing
- 2017–2018 **LLAMA LAB**: Psycholinguistic and Sociolinguistic Lab. Director: Dr. López. Duties: Task development and administration, Data analysis
- 2017 **Project SEED**: Director: Dr. Kim. Duties: Survey Training for field work

## Publications

- [1] Hermosillo, J. A. (March, 2019) "Language and dialect contact among Hispanics in Houston, Texas: A Lexical Leveling." Mellon Mays Undergraduate Fellowship Research Journal. 25-30.
- [2] Hermosillo, J. A. & Serigos, J. (In preparation) "Semantic Extensions in a Contact Setting: Spanish in the United States." to be submitted to International Journal of Bilingualism.
- [3] Hermosillo, J. A., A. Avila, L.Tjuatja & T. Wu (In preparation) "Improving automatic classification of sentiment in Code-Switched Tweets" to be submitted to SemEval 2020.
- [4] Hermosillo, J. A. (In preparation) "Assessing and Debiasing Stereotypes in Adjectives with (Un)Marked Grammatical Gender." to be submitted to the 58th annual meeting of the Association for Computational Linguistics (2020).

## Presentations

- [1] The Role of Gender in Human Language Technologies: from Google Translate to Intelligent Agents, Mellon Mays Southeast Regional Undergraduate Conference, Rice University, 2019
- [2] Leveraging social and Linguistic biases in Computational Linguistics, Mellon Mays Undergraduate Fellowship Summer Research Presentations, University of California Los Angeles, 2019.

- [3] Compound Concepts: Economy, Government and Politics in Spanish-speaking North America, Mellon Mays Undergraduate Fellowship Annual Colloquium, University of Texas, 2019.
- [4] API Implementations in Python, Guest lecture, Elements of Software Engineering, Dr. Fares Fraij, University of Texas, 2019.
- [5] Neural Representations of Language ... and Society?, Longhorn Research Bazaar, University of Texas, 2019.
- [6] Neural Representations of Language ... and Society?, Linguistics Undergraduate Research Day, University of Texas, 2019.
- [7] Exploring Spanish Variation using Word Vectors, Undergraduate Linguistics Society, University of Texas, 2019.
- [8] Contando Palabras y Construyendo Significados: Métodos Cuantitativos y Computacionales en la Lingüística, Guest lecture, Contact Spanish in the US, Dr. Almeida Jacqueline Toribio, University of Texas, 2019.
- [9] Language and Latinx Collectivism: A Computational Semantic Approach. Mellon Mays Southeast Regional Undergraduate Conference, Duke University, 2018.
- [10] Analyzing informal political discourse: Texas SB4. Race, Ethnicity and Place IXth Conference: Engaged Scholarship. 2018.
- [11] Challenges in Working with Low-resource Language Data: Examples from a Parallel Text, Code-Switching in Indigenous Languages Colloquium, University of Texas, 2018.
- [12] Language and dialect contact among Hispanics in Houston, Texas: Lexical leveling in the Near Northside, Hispanic Linguistics Symposium, 2018.
- [12] Bilingualism and Brokering: Examining Individual Differences in Verbal and Nonverbal Creativity, Longhorn Research Bazaar, University of Texas, 2018.
- [13] Language and dialect contact among Hispanics in Houston, Texas: A lexical leveling case study, Mellon Mays Southeast Regional Undergraduate Conference, University of Texas, 2017

## --- Honors and Awards

- 2017–2020 Mellon Mays Undergraduate Fellowship
- 2016–2020 University Leadership Network Scholarship
- 2019–2020 E.D. Farmer International Fellowship
  - 2019 Undergraduate Research Poster Session Award Finalist
  - 2019 Student Spotlight, Department of Spanish and Portuguese
- 2018 Liberal Arts Research Apprenticeship
- 2018 Silver Spurs/Lowell Lebermann Scholarship
- 2018 College of Liberal Arts Cum Laude Honors
- 2018 North American Chapter of the Association for Computational Linguistics Summer School for Language Technologies Scholarship
- 2016 National Society of Hispanic Professional Engineers Graduating High School Senior Scholarship
- 2016 Greater Heights Area Chamber of Commerce Community Fund Scholarship
- 2016 Jefferson Davis Hispanic Association Scholarship

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## Skills

Programming PYTHON, R, SQL, JAVA, LINUX, GIT

Software MICROSOFT OFFICE, GOOGLE DRIVE, OVERLEAF, TABLEAU, PRAAT, QUALTRICS, CANVAS

Data Science Supervised and Unsupervised Machine Learning, Natural Language Processing

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## Languages

English Fluent

Spanish Fluent

Portuguese Conversational

French Reading

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## Affiliations

Member Linguistics Society of America

Member Association for Computational Linguistics

Member Undergraduate Linguistic Society

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## References

1. Dr. Katrin Erk, Professor, Department of Linguistics, The University of Texas ka-trin.erk@mail.utexas.edu
2. Dr. Barbara E. Bullock, Professor of French Linguistics, Department of French and Italian, The University of Texas, bbullock@austin.utexas.edu
3. Dr. Almeida Jacqueline Toribio, Faculty Director, Mellon Mays Undergraduate Fellowship Program & Professor of Linguistics, Department of Spanish and Portuguese, The University of Texas, toribio@austin.utexas.edu
4. Dr. Belem Lopez, Assistant Professor, Department of Mexican American and Latino/a Studies, The University of Texas, bglopez@austin.utexas.edu