

JESUS ADOLFO HERMOSILLO

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EDUCATION

- Bachelor of Arts, The University of Texas, anticipated May 2020
Major: Linguistics, honors [GPA: 3.7]

Certificates: Elements of Computing, Scientific Computation and Data Science
Project title: *Expanding Vocabulary through Fine Tuning*
- Mellon Mays Undergraduate Fellowship Program
Thesis: *Modeling Language, Generating Biases*
- Summer School on Human Language Technology, Johns Hopkins University, Summer 2018
- MMUF Writing and Research Training Program, University of California Los Angeles, Summer 2019

RESEARCH AREAS

- Major Fields: Computational Linguistics, Sociolinguistics, Computational Social Science
- Areas of Interest: Lexical Semantics, Language Ideologies, Hispanic Linguistics, Sociology of Language

RESEARCH EXPERIENCE

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

PUBLICATIONS

- 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.
- Hermosillo, J. A. & Serigos, J. (In preparation) "Using Word Embeddings to Investigate Semantic Expansions of False Cognates in US Spanish" to be submitted to *Computational Linguistics*.

PRESENTATIONS

- *The Role of Gender in Human Language Technologies: from Google Translate to Intelligent Agents*, Mellon Mays Southeast Regional Undergraduate Conference, Rice University, 2019.
- *Leveraging social and Linguistic biases in Computational Linguistics*, Mellon Mays Undergraduate Fellowship Summer Research Presentations, University of California Los Angeles, 2019.
- *Compound Concepts: Economy, Government and Politics in Spanish-speaking North America*, Mellon Mays Undergraduate Fellowship Annual Colloquium, University of Texas, 2019.

- *API Implementations in Python*, Guest lecture, Elements of Software Engineering, Dr. Fares Fraij, University of Texas, 2019.
- *Neural Representations of Language ... and Society?*, Longhorn Research Bazaar, University of Texas, 2019.
- *Neural Representations of Language ... and Society?*, Linguistics Undergraduate Research Day, University of Texas, 2019.
- *Exploring Spanish Variation using Word Vectors*, Undergraduate Linguistics Society, University of Texas, 2019.
- *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.
- *Language and Latinx Collectivism: A Computational Semantic Approach*. Mellon Mays Southeast Regional Undergraduate Conference, Duke University, 2018.
- *Analyzing informal political discourse: Texas #SB4*. Race, Ethnicity and Place IXth Conference: Engaged Scholarship. 2018.
- *Challenges in Working with Low-resource Language Data: Examples from a Parallel Text*, Code-Switching in Indigenous Languages Colloquium, University of Texas, 2018.
- *Language and dialect contact among Hispanics in Houston, Texas: Lexical leveling in the Near Northside*, Hispanic Linguistics Symposium, 2018.
- *Bilingualism and Brokering: Examining Individual Differences in Verbal and Nonverbal Creativity*, Longhorn Research Bazaar, University of Texas, 2018.
- *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

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

COMPETENCIES

- Data Science and Development
Supervised and unsupervised machine learning, natural language processing, web development, data integration
- Programming and Statistics
Python, C++, Linux, Git, Flask, Tableau
- Speech Analysis: PRAAT
- Languages: Spanish Native, Conversational Portuguese
- Bibliographic: Zotero
- Survey: Qualtrics
- Course Management: Canvas, Blackboard

AFFILIATIONS

- Linguistics Society of America
- Association for Computational Linguistics

REFERENCES

- Dr. Katrin Erk
Associate Professor, Department of Linguistics, The University of Texas
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- Dr. Barbara E. Bullock
Professor of French Linguistics, Department of French and Italian, The University of Texas
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- Dr. Almeida Jacqueline Toribio
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- Dr. Belem López
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