

# Jonathan E. Avila

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## Education

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### Ph.D. in Computer Science

Dec. 2023

University of Texas at El Paso

- Dissertation Title: Towards a Model of the Mapping Between English and Spanish Prosody

### B.S. in Computer Science

Dec. 2018

University of Texas at El Paso

## Work Experience

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### Graduate Research Assistant

Jan. 2019 - Dec. 2023

University of Texas at El Paso, Interactive Systems Group

- Created data collection designs, built machine learning models in Python and MATLAB, documented and released code and data, and supervised undergraduate research assistants for the projects *Dialogs Re-enacted Across Languages* and *UTEP Corpus of Dissatisfaction in Spoken Dialog*.

### Graduate Teaching Assistant

Jan. 2019 – May 2020, Aug. 2021 – May 2022

University of Texas at El Paso

- Assisted in developing and grading assignments, conducted review sessions, held office hours, and proctored exams for Computer Organization and Operating Systems courses.

### Intern

Jun. 2020 – Jul. 2020

University of Pennsylvania, Health Language Processing Center

- Developed *3DlotMap*, control software for visualizing U.S. COVID-19 data using large-scale LED matrix displays and a 3D-printed topographic map.
- Created a rule-based model to estimate Twitter users' ages from posts on prescription medicine dosages.

## Publications

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### Towards Cross-Language Prosody Transfer for Dialog

Aug. 2023

Jonathan E. Avila and Nigel G. Ward. *Interspeech 2023*, 2143–2147.

### A Dimensional Model of Interaction Style Variation in Spoken Dialog

Apr. 2023

Nigel G. Ward and Jonathan E. Avila. *Speech Communication* 149, 47–62.

### Dialogs Re-enacted Across Languages

Nov. 2022

Nigel G. Ward, Jonathan E. Avila, and Emilia Rivas. UTEP Technical Report UTEP-CS-22-108.

### Comparison of Models for Detecting Off-Putting Speaking Styles

Sep. 2022

Diego Aguirre, Nigel G. Ward, Jonathan E. Avila, and Heike Lehnert-LeHouillier. *Interspeech 2022*, 2303–2307.

### Towards Continuous Estimation of Dissatisfaction in Spoken Dialog

Aug. 2021

Nigel G. Ward, Jonathan E. Avila, and Aaron M. Alarcon. *Sigdialog 2021*, 2143–2147.

### The UTEP Corpus of Dissatisfaction in Spoken Dialog

Mar. 2021

Jonathan E. Avila, Nigel G. Ward, and Aaron M. Alarcon. UTEP Technical Report UTEP-CS-21-23.