EMILY CIBELLI

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💼 PROFESSIONAL EXPERIENCE

2018-present

Senior data analyst, Ingenuity Inc.

• Maintain database of the arts in 650 schools and 1400+ non-profit organizations
• Conduct analyses to guide district, city, and state-wide education policy
• Provide ad-hoc reports and data visualizations for non-profits and philanthropies
• Develop custom applications and dashboards to support data-driven decision-making

2018-present

Lecturer, ViaX Education

• Develop and teach online research courses and tutorials for undergraduates
• Advise student projects and teach research, statistical, and programming skills
• Provide guidance on higher education admissions and conference presentations

2015-2018

Postdoctoral research associate and lecturer, Northwestern University

• Designed experiments and ran statistical analyses of linguistic data and corpora
• Implemented speech algorithms and processing pipelines for acoustic speech data
• Secured $500K in internal and national (NIH) grant funding to support research
• Taught linguistics courses and provided advising to 100+ cognitive science majors

2010-2018

Contracted linguist

• *Appen* (2018): Created parses of text data to support the development of natural language understanding/generation systems in collaboration with large remote team
• *Duolingo* (2017): Developed test items of varying grammatical and lexical complexity for English language teaching program
• *Powerset* (2010): Annotated semantic features in corpora to support development of NLP-based search engine

🎓 EDUCATION

2015

University of California, Berkeley
Ph.D. in Linguistics
📍 Berkeley, CA

2011

University of California, Berkeley
M.A. in Linguistics
📍 Berkeley, CA

2009

Wellesley College
B.A. in Cognitive and Linguistic Sciences
📍 Wellesley, MA

2008

National University of Ireland, Galway
Visiting student
📍 Galway, Ireland

CONTACT

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PERSONAL PROFILE

Data analyst and speech scientist specializing in quantitative and computational projects.

Technical expertise in data visualization, statistical modeling, and application building.

Domain expertise in linguistics, acoustics, cognitive science, and public-sector collective impact work.

AVAILABILITY

I am looking for positions in the **San Francisco Bay Area** or remote roles starting in September-October 2020.

SKILLS

Technical
R (including tidyverse, shiny, dbplyr, ggplot2, lme4, markdown), SQL, Praat, LaTeX, Python, Jupyter, MatLab

Analytic
Statistical modeling, data visualization, data app construction, acoustic speech analysis, neural data processing, phonetic transcription

Languages
English (native), Spanish (intermediate classroom), Finnish (beginning classroom), Garifuna (fieldwork)

SELECTED PUBLICATIONS AND REPORTS

2020 **Articulatory and perceptual cues to non-native phoneme perception: Cross-modal training for early learners. Second Language Research.**
Cibelli, E. *Second Language Research*. https://doi.org/10.1177/0267658320921217

2020 **Training non-native consonant production with perceptual and articulatory cues**
Cibelli, E. *Phonetica 77* (1), 1-28.

2019 **State of the Arts in Chicago Public Schools, 2017-18**
Ingenuity, Inc. Chicago Public Schools Progress Report, 2017-18.

2019 **Clinical correlates of aberrant conversational turn-taking in youth at clinical high-risk for psychosis**
Sichlinger, L., Cibelli, E., Mittal, V., & Goldrick, M. *Schizophrenia Research 204*, 419.

2018 **The influence of lexical selection disruptions on articulation**
Goldrick, M., McClain, R., Cibelli, E., Adi, Y., Gustafson, E., Moers, C., & Keshet, J. *Journal of Experimental Psychology: Learning, Memory, and Cognition 45*(6), 1107-1141.

2016 **Automatic measurement of vowel duration via structured prediction**
Adi, Y., Keshet, J., Cibelli, E., Gustafson, E., Clopper, C., and Goldrick, M. *Journal of the Acoustical Society of America 140* (6), 4517-4527.

2016 **The Sapir-Whorf hypothesis and probabilistic inference: Evidence from the domain of color**
Cibelli, E., Xu, Y., Austerweil, J., Griffiths, T., and Regier, T. *PLOS ONE, 11.7*, e0158725.

2015 **The influence of lexical statistics on temporal lobe cortical dynamics during spoken word listening**
Cibelli, E.S., Leonard, M.K., Johnson, K., & Chang, E.F. *Brain and Language 147*, 66-75.

SERVICE AND VOLUNTEER WORK

2019-2020 **Review panel member**
ArtsEdSearch

2018 **Volunteer**
Lakeview Pantry

2016-2018 **Ad-hoc reviewer**
Cognitive Science Society, Second Language Research, Cognition, Neurospychologia, Phonetica

2017 **Volunteer data scientist**
Chi Hack Night

2011 **Office manager**
Berkeley Linguistics Society