

Education

- 2019 – Present **PhD, Information, University of Michigan**
Advisors: Ceren Budak, David Jurgens
- 2015 – 2019 **MS, Computer Science, Stanford University**
Specialization: Information Management and Analytics
GPA: 3.99/4.00
- 2014 – 2018 **BA, Linguistics with Honors, Stanford University**
Minor in German Studies
Thesis: *Computational linguistic analysis of dehumanization of LGBTQ groups in the media*
GPA: 4.09/4.00
- 2010 – 2014 **Stuyvesant High School, New York**

Relevant Experience

- 09/19 – Present **School of Information, University of Michigan**
PIs: Ceren Budak and David Jurgens
Currently working as a Graduate Student Research Assistant in developing computational techniques to analyze the framing of controversial sociopolitical issues on social media.
- 06/17 – 12/18 **Natural Language Processing Group, Stanford University**
PI: Dan Jurafsky
Synthesized theories from natural language processing, linguistics, and social psychology to quantify and understand dehumanization of marginalized groups in print media and online.
- 06/18 – 09/18 **Phonetics Laboratory, Leibniz-Zentrum Allgemeine Sprachwissenschaft, Berlin, Germany**
PI: Stefanie Jannedy
Analyzed diphthongs produced by speakers of Kiezdeutsch (Hood German) and Berlin dialect in order to identify distinctive features of Kiezdeutsch and variation within Kiezdeutsch speakers.
- 06/16 – 03/17 **Human-Computer Interaction Group, Stanford University**
PI: Michael Bernstein
Helped create a conversational agent that draws on human conversational strategies to accomplish complex goals. Worked with numerous NLP tools and published tasks on Amazon Mechanical Turk.
- 06/15 – 09/15 **Hewlett Packard, Palo Alto, CA**
Improved accessibility of HP's "Cog ex Machina" deep learning software platform by providing feedback and suggestions based on problems encountered while implementing neural network architectures in Cog.

Publications

- 2021 **Julia Mendelsohn**, David Jurgens, and Ceren Budak. *Modeling the framing of immigration on social media*. NAACL, 2021 [under review].
- 2020 **Julia Mendelsohn**, Yulia Tsvetkov, and Dan Jurafsky. *A framework for the computational linguistic analysis of dehumanization*. Frontiers in Artificial Intelligence 3:55.

- 2019 Li Lucy and **Julia Mendelsohn**. *Using sentiment induction to understand variation in gendered online communities*. Proceedings for the second annual meeting of the Society for Computation in Linguistics (SCiL). ACL, 2019.
- 2018 Ethan Fast, Binbin Chen, **Julia Mendelsohn**, Jonathan Bassen, and Michael S Bernstein. *Iris: A conversational agent for complex tasks*. In Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems. ACM, 2018.

Conference Presentations

- 2020 "A framework for the computational linguistic analysis of dehumanization" [virtual oral presentation]. **Julia Mendelsohn**, Yulia Tsvetkov, and Dan Jurafsky. *International Conference on Computational Social Science*, Boston, MA. July 17-20.
- 2019 "The social meaning of diphthong fronting in Berlin German" [oral presentation]. Jannedy, S., M. Weirich, G. Schüppenhauer & **Julia Mendelsohn**. *Phonetik und Phonologie Tagung*, Düsseldorf, Germany. September 26-27.
- 2018 "Computational linguistic analysis of dehumanization of LGBTQ groups in the media" [poster]. *New Ways of Analyzing Variation 47*, New York, NY. October 18-21.
- 2017 "Cross-community variation in onset /l/ among California Latinx speakers" [oral presentation]. Podesva, R., F. Conover, A. Flores-Perez, C. Gratton, A. Kane, D. Leigh, **Julia Mendelsohn**, C. Rentie & A. Sprenger. *New Ways of Analyzing Variation 46*, Madison, WI. November 2-5.

Invited Talks

- 2020 "A computational analysis of immigration discourse on Twitter". *Sociolinguistics, Contact, and Discourse (SoConDi) Meeting*, Ann Arbor, MI. October 30.
- 2020 "A framework for the computational linguistic analysis of dehumanization". *Computational Social Science/Data Science Seminar*, Ann Arbor, MI. February 20.
- 2019 "Representations of African American English in Disney films". *African American Vernacular English (undergraduate course)*, Stanford, CA. February 9.
- 2018 "Understanding social change with NLP: a case study of LGBTQ representation in the *New York Times*". Leibniz-Zentrum Allgemeine Sprachwissenschaft, Berlin, Germany. August 29.

Teaching Experience

- 03/19 – 06/19 **African American Vernacular English**, *Stanford University*
Teaching Assistant for Professor John Rickford's undergraduate sociolinguistics course
- 01/19 – 03/19 **From Languages to Information**, *Stanford University*
Course Assistant for Professor Dan Jurafsky's undergraduate NLP course
- 09/14 – 06/18 **English as a Second Language**, *Stanford University*
Volunteer tutor for Stanford custodial staff through Habla organization
- 09/14 – 06/17 **Mathematics and Writing**, *Stanford University*
Volunteer tutor-mentor for middle school students through East Palo Alto Stanford Academy (EPASA)
- 03/2018 **From Languages to Information**, *Stanford University*
Exam grader for Professor Dan Jurafsky's undergraduate NLP course

Course Projects

- 2019 **Language Variation and Change in Immigration Discourse on Twitter**
Course: Computational Sociolinguistics
- 2017 **Giving Gold: Understanding Appreciation in Reddit Communities**
Course: Analysis of Networks
- 2017 **Variation in Realizations of /t/ in Tokens of "Latinx" within Salinas Latinx Community**
Course: Sociophonetics
- 2017 **Modeling the Dynamic Framing of Controversial Topics in Online Communities**
Course: Natural Language Processing with Deep Learning
- 2016 **Exploring Techniques in Distinguishing Similar Languages**
Course: Artificial Intelligence: Principles and Techniques

Awards, Honors, and Fellowships

- 2021 **Twitch Research Fellowship Finalist**
- 2020 **NSF Graduate Research Fellowship Program Honorable Mention**
- 2019 **Scholarship for Uriel Weinreich Program in Yiddish Language, Literature, and Culture**, YIVO Institute for Jewish Research, New York, NY
- 2018 **J.E. Wallace Sterling Award for Scholastic Achievement**, Awarded to top 25 seniors in Stanford's School of Humanities and Sciences
- 2018 **Delta Phi Alpha**, National German honor society
- 2018 **Krupp Foundation Stipend Recipient**, Supported Stanford-affiliated work in Germany
- 2017 **Phi Beta Kappa**, Inducted junior year
- 2017 **Sponsor's Award**, Natural Language Processing with Deep Learning poster fair
- 2015 **The President's Award for Academic Excellence**, Awarded to top 5% of Stanford freshmen

Skills

- Languages* English (native), German (high intermediate), Spanish (intermediate), Yiddish (low intermediate)
- Computer* Python, R, SQL, Java, C/C++, L^AT_EX, Praat, Transcriber