



SREEPARNA SARKAR

260, South Main Street,
Newark, Delaware
USA.

Phone: 3026084999

Email: sree@udel.edu

LinkedIn Profile link- <https://www.linkedin.com/in/sreeparna-sarkar-428710187/>

Google Scholar account: [Google Scholar page Sreeparna Sarkar](#)

Website: <http://www.sreeparnasarkar.com/about.html>

SUMMARY

Linguistics Ph.D. candidate with 5+ years of experience in designing research projects and collecting and analyzing data from speech production and perception experiments. Authored, published and presented research papers in prestigious conferences in the field. Expertise in identifying timelines and obtaining the resources needed to efficiently complete multiple projects. Ability to identify new and upcoming research areas and communicate and interact with collaborators on novel ideas. Skilled at developing long term research programs and sustainable strategies. Experienced at conducting multiple experiments based on research questions and hypotheses.

EXPERIENCE

University of Delaware

Project Lead, Speech Sound Perception and Recognition of Native Bengali Speakers | 2020- Present

- Innovated an online data collection methodology to collect data from 50 experiment participants residing in India.
- Designed and programmed original speech perception experiment using PRAAT MFC program.
- Collected data from 50 native speakers of Bengali online.
- Analyzed the big data with 13,000 rows of data, using R.

Course Instructor, Teaching Assistant, Department of Linguistics and Cognitive Science | 2017-present

- Designed Semester long curricula for 3 semesters including Intro to Linguistics and First Language Development.
- Delivered original class lectures 3 times a week.
- Delegated teaching assistant duties in 7 semesters: grading assignments and lab reports of 30- 40 students each semester in timely and consistent manner.

Research Assistant, Phonetics Lab | University of Delaware | 2019- 2021

- Assisted lab Director in assembling equipment for the Phonetics lab with 3 major equipment: the Electromagnetic Articulographer (EMA), eye-tracker, ultra-sound machine and the lab computers. Organized devices required for acoustic experiments including recorders, headphones and microphones.
- Created lab manual for the EMA system in collaboration with researchers from Yale University.

Selected Projects, Department of Linguistics and Cognitive Science | 2017- present

- Collaborated with Prosodic Typologies Lab, for a multi-year long Bengali speech production experiment. Collected speech data from India, annotated and analyzed the acoustic data. Study presented at the Penn. Linguistics Conference, 2019.
- Conducted Psycholinguistic research on speech perception in native English speakers and analyzed the data using Signal Detection Theory method. Study presented at Acoustical Society of America, 2020.
- Designed articulatory phonology research experiment, collected Bengali data with the EMA system and analyzed with Matlab and R Studio. Study presented at the Laboratory Phonology Conference.

- Collaborated with a native speaker of Quechua for a speech production study. Study published in the Working Papers of Penn Linguistics Conference Proceedings.

Culture and Language Training Coordinator | Linguavista, India | 2015-2017

- Managed multiple foreign language learning projects for high schools in India, by collaborating with native speakers of Mandarin, Japanese, Korean, Spanish, and English speakers.
- Created audio-visual learning materials video tutorials, mobile apps and animations for foreign languages learning courses to adults in collaboration with native speakers of 5 foreign languages.
- Designed the UX for mobile app for language learning in collaboration with the web development and engineering team.
- Participated in the recruitment process of foreign language teachers.

Research Assistant | British Council, India | 2014-2015

- Collected and collated English Language Teaching (ELT) research data from research universities across India to build a searchable bibliography on the British Council Website for ELT research in India.
- Collaborated with web-developers, communicated APA citation conventions to the Web developers and created an algorithm for the search engine.
- Trained ELT scholars of India to use the search engine at the British Council ELT Conference in Hyderabad, India.

EDUCATION

2017- present Ph.D. in Linguistics, University of Delaware, USA.

2012-2013 MA in Linguistics, University of Leeds, UK.

2009- 2012 BA in English Honors, The English and Foreign Languages University, Hyderabad.

SKILLS

- Data Manipulation and Visualization: R Studio, Ms Excel
- Speech transcription and acoustic analysis: PRAAT
- Programming: R Studio, PRAAT, OpenSesame, EPrime
- Selected methods: Signal Detection Theory, Electromagnetic Articulographer, EEG, descriptive statistics, linear mixed effects model, multiple regression model.
- Languages: English (fluent), Bengali (native speaker), Hindi (fluent), German (Intermediate).

AWARDS AND ACKNOWLEDGEMENTS

Dissertation research grant, University of Delaware, 2021.

Professional development grant, University of Delaware, 2019, 2022.

Summer research fellowship, University of Delaware, 2018, 2019, 2020, 2021, 2022.

Laura Bassi Editorial Scholarship, 2020.

J.N. Tata Endowment Scholarship, India, for MA in Linguistics at the University of Leeds, UK, 2012.