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Univ.-Prof. Dr. Kevin Tang
Ph.D. (UCL), M.A. (UCL)
M.Eng. (Cantab), M.A. (Cantab)
CMALT, FYAE

Updated on August 4, 2025

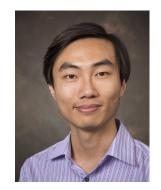


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## Academic employment

Sept. 2021 – Heinrich-Heine-University Düsseldorf, Germany

Department of English Language and Linguistics, Institute of English and

American Studies, Faculty of Arts and Humanites

University Professor in English Linguistics with specialisations in Phonet-

ics/Phonology/Morphology (W2, Tenured)

August 2021 – University of Florida, Gainesville, Florida, USA

Department of Linguistics

Courtesy Assistant Professor in Computational Language Science

2019-2021 University of Florida, Gainesville, Florida, USA

Department of Linguistics

Assistant Professor in Computational Language Science (Tenure-track)

2017-2019 Zhejiang University, Hangzhou, China

Department of Linguistics and Translation, School of International Studies

Assistant Professor in Linguistics (Tenure-track)

2015-2017 Yale University, New Haven, Connecticut, USA

Postdoctoral Associate in Linguistics

Supervisor: Ryan Bennett

# Elected fellowship

2025–Present Fellow of the Young Academy of Europe

Election criteria: obtained their doctorate less than 12 years ago, scientific excellence recognized by their peers, leadership abilities, scientific independence,

and an interest in pan-European or international cooperation

# Previous professorship calls with a list place ('Listenplatz')

2023 Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany

Department of English, American and Romance Studies, Institute of English

and American Studies

Position: W3 (Tenured) University Professor in Digital Linguistics specializing

in Big Data

2021 Heinrich-Heine-University Düsseldorf, Germany

Department of English Language and Linguistics, Institute of English and

American Studies

Position: W2 (Tenured) University Professor in English Linguistics with spe-

cialisations in Phonetics/Phonology/Morphology

# Leadership position

October 2024 – Head of Study Programme (Studiengangsleitung), Bachelor of Arts English

and American Studies, Institute of English and American Studies, Heinrich-Heine-University Düsseldorf, Germany (https://www.anglistik.hhu.de/

studium-bachelor-of-arts)

October 2022 – Chair (Geschäftsführer) of Institute of English and American Studies, Heinrich-

September 2024 Heine-University Düsseldorf, Germany (https://www.anglistik.hhu.de/)

October 2022 - Central Point of Contact for Amazon Web Services ( aws) academy at

Heinrich-Heine-University Düsseldorf, Germany (https://aws.amazon.com/

training/awsacademy/)

## Education

2011–2015 University College London, London, United Kingdom

Ph.D. in Linguistics, October 2015

Thesis: Naturalistic Speech Misperception

Advisors: Andrew Nevins (Primary) & Stuart Rosen (Secondary) VIVA COMMITTEE: John Harris (Internal) & Bert Vaux (External)

2010–2011 University College London, London, United Kingdom

M.A. in Linguistics, November 2011

DISSERTATION: Phonetic trends in slips of the ear Class: Distinction (Dissertation and all modules)

2009–2010 University of Cambridge (Churchill College), Cambridge, United Kingdom

M.Eng. in Engineering, June 2010

CLASS: Honours Pass (Dissertation: Merit; Modules: Honours Pass)

2006–2009 University of Cambridge (Churchill College), Cambridge, United Kingdom

B.A. in Engineering, June 2010

Class: 2.i.

## Professional training

2025 - Present

The Extension Module of North Rhine-Westphalian (NRW) Certificate of Professional Competence for Academic Teaching

Status: In progress (60 out of 80 work units)

Breakdown: Learning and Encouragement through Feedback – Tools and Practices for High-Quality Collaboration in Academia (8 units); Feedback geben und nehmen (16 units); Einführung Visualisierung (8 units); Kollegial Fallberatung (4 units); Competence Based Assessment (8 units); Research Canvas & Pitch your Innovation (8 units)

2024

The Basic Module of North Rhine-Westphalian (NRW) Certificate of Professional Competence for Academic Teaching

Status: Completed 80 out of 80 work units

Breakdown: Design for How People Learn: Academic Teaching in Higher Education (50 units); "Intercultural Competence for University Lectures" (8 units); "Guiding Students and Efficiently Organising Office Hours" (8 units); "Legible handwriting for teaching" (2 units); "Beyond Mere Breakout Sessions: Ensuring Productive Cooperation in Online Learning" (6 units); "Portfolio: documentation and reflection of the learning process" (6 units)

2023

Workshop (2 hours): "Male Ally Training" with Dr. Bettina Palazzo, organised by Junior Scientist and International Researcher Center (HHU)

2013

Certified Member of Association for Learning Technology (CMALT) CMALT is a portfolio-based professional accreditation scheme developed by Association For Learning Technology to enable people whose work involves learning technology to have their professional experience and capabilities assessed by peers. http://www.alt.ac.uk/cmalt/.

# Publications/Products

## PATENTS/COPYRIGHTS

2025

Yong Kyu Yoon, Ratree Wayland, Lori J Altmann, Saeyeong Jeon, Sunghyun Hwang & Kevin Tang. 2025. Smart pseudo-palate for linguistic and biomedical applications. U.S. Patent No. 12,290,378. https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/12290378 [ pdf | 99 bib]

#### EDITED BOOKS AND VOLUMES

2024

Ratree Wayland, Si Chen & **Kevin Tang** (eds.). 2024. *Linguistic biomarkers of neurological, cognitive, and psychiatric disorders: verification, analytical validation, clinical validation, and machine learning.* Lausanne: Frontiers Media SA. http://dx.doi.org/10.3389/978-2-8325-5297-1

# JOURNAL ARTICLES OR CHAPTERS (PUBLISHED OR ACCEPTED)

[To improve reproducibility and replicability, whereever possible, the supplementary materials include the data and the analysis scripts.]

In press

Matt Simmons, Anna Hamilton, Alexis Davis, William Dyer, Christina Jean Phillipe, Jessica Heady, Adolfho Romero, Rebekah Anne Cordova, Deborah Hendrix, Paul Ortiz, Pryce Houck, **Kevin Tang** & Sarah Moeller. In press. A meeting of two worlds, oral history and linguistics: partnerships, perplexities, and potentialities in researching African American language. *The Oral History Review* [Student Authors: AD, CJP, JH, AR, PH; Senior Authors: SM and KT]

In press

Ratree Wayland, **Kevin Tang** & Rahul Sengupta. In press. Acquisition of similar versus different speech rhythmic class. In Lars Meyer & Antje Strauss (eds.), *Rhythms of Speech and Language: Culture, Cognition, and the Brain*, chap. 39. (Preprint: https://doi.org/10.31234/osf.io/9fuy8). Cambridge University Press, Cambridge [Preprint: pdf | 99 bib]

2025

Jochen Steffens, Patrick Blättermann, Maximilian Sattler & **Kevin Tang**. 2025. How does a credible voice sound? *The Journal of the Acoustical Society of America* 157(5). 3780–3792. http://dx.doi.org/10.1121/10.0036646 [Student Authors: MS; Joint Senior and Corresponding Authors: JS, KT] Lipdf | 59 bib | Lip materials]

2024

Alexis Davis, Joshua Martin, Eric Cooks, Melissa Vilaro, Danyell Wilson-Howard, **Kevin Tang** & Janice Raup Krieger. 2024. From English to "Englishes": a process perspective on enhancing the linguistic responsiveness of culturally tailored cancer prevention interventions. *Journal of Participatory Medicine* 16. e57528. http://dx.doi.org/10.2196/57528 [Student Author: AD, Senior authors: KT and JK] pdf | 59 bib]

2024

Ratree Wayland, Rachel Meyer, Ruhi Reddy, **Kevin Tang** & Karen W. Hegland. 2024. Quantifying lenition as a diagnostic marker for Parkinson's Disease and Atypical Parkinsonism. *BioMedInformatics* 4(4). 2287–2305. http://dx.doi.org/10.3390/biomedinformatics4040123 [Student Authors: RM, RR] pdf | 55 bib]

2024

Ratree Wayland, Rachel Meyer, Sophia Vellozzi & **Kevin Tang**. 2024. Lenition in L2 Spanish: the impact of study abroad on phonological acquisition. Brain Sciences 14(9). http://dx.doi.org/10.3390/brainsci14090946 [SCIE] [Student Author: RM, SV] [ pdf | pdf

2024

John Harris, Eno-Abasi Urua & **Kevin Tang**. 2024. A unified model of lenition as modulation reduction: gauging consonant strength in Ibibio. *Phonology*. 1–30. http://dx.doi.org/10.1017/S095267572400006X [SSCI, A&HCI] [Corresponding author] pdf | 55 bib | materials]

2024 Kevin Tang, Ratree Wayland, Fenqi Wang, Sophia Vellozzi & Rahul Sengupta. 2024. Evaluating the consistency of lenition measures: Neural networks' posterior probability, intensity velocity, and duration. The Journal of the Acoustical Society of America 156(2). 1367-1379. http://dx.doi.org/ 10.1121/10.0028299 [Student Author: SV, RS] [First and corresponding author | pdf | 99 bib | materials 2024 Ratree Wayland, **Kevin Tang** & Si Chen. 2024. Editorial: linguistic biomarkers of neurological, cognitive, and psychiatric disorders: verification, analytical validation, clinical validation, and machine learning. Frontiers in Psychology 15. http://dx.doi.org/10.3389/fpsyg.2024.1454225 🔀 pdf | 🤧 bib] 2024 Audrey Zhang, Fjorda Kazazi, **Kevin Tang** & Peter Howell. 2024. Interplay of mental state, personality, and popularity among peers in shaping belongingness of first-year students: a cross-sectional study. PLOS Mental Health 1(2). 1-18. http://dx.doi.org/10.1371/journal.pmen.0000019 [Student Author: AZ, FK] [ pdf | J bib | materials | 2024 Sarah Moeller, Alexis Davis, Wilermine Previlon, Michael Bottini & Kevin Tang. 2024. Compiling a corpus of African American language from oral histories. Research in Corpus Linguistics 12(2). (Equal contribution authorship: SM and KT; Senior and corresponding authors: SM and KT), 45–79. http://dx.doi.org/10.32714/ricl.12.02.04 [Student Authors: AD, MB, WP] [SJR: Q2] 🔼 pdf | 💔 bib | 🖺 materials] 2024 Xiaoyi Tian, Amanda E. Griffith, Zane Price, Kristy Elizabeth Boyer & Kevin Tang. 2024. Investigating linguistic alignment in collaborative dialogue: a study of syntactic and lexical patterns in middle school students. Language and Speech 0(0). 00238309241234565. http://dx.doi.org/10.1177/ 00238309241234565 [Student Author: XT, AG, ZP] [Corresponding author] pdf | 55 bib | materials 2024 Fenqi Wang, Delin Deng, **Kevin Tang** & Ratree Wayland. 2024. The effect of pitch accent on the perception of English lexical stress: evidence from English and Mandarin Chinese listeners. Languages 9(3). http://dx.doi.org/10. 3390/languages9030087 [ESCI] [ pdf | 55 bib] 2024 Liam Barrett, **Kevin Tang** & Peter Howell. 2024. Comparison of performance of automatic recognizers for stutters in speech trained with event or interval markers. Frontiers in Psychology 15. http://dx.doi.org/10.3389/fpsyg. 2024.1155285 [SSCI] [Student Author: LB] 🔀 pdf | 🔰 bib 🖺 materials] (Part of the Fluency In School Team project: www.fistproject.org) 2023 Peter Howell, Clarissa Sorger, Roa'a Alsulaiman, Kaho Yoshikawa, John Harris & **Kevin Tang**. 2023. Factors affecting judgment accuracy when scoring children's responses to non-word repetition stimuli in real time. *International*  $Journal\ of\ Language\ \mathscr{C}\ Communication\ Disorders\ n/a(n/a).\ http://dx.doi.$ org/10.1111/1460-6984.12954 [SSCI, SCI Expanded] [Student Author: CS,

RA, KY] [Joint corresponding author] [ pdf | 55 bib | materials]

(Part of the Fluency In School Team project: www.fistproject.org)

2023 Kevin Tang & Faruk Akkus. 2023. Identity avoidance in Turkish partial reduplication: feature specificity and locality. Laboratory Phonology: Journal of the Association for Laboratory Phonology 14. http://dx.doi.org/10. 16995/labphon.6459 [SSCI, A&HCI] [First and corresponding author] [ pdf | **99** bib | **b** materials 2023 Ratree Wayland, Kevin Tang, Fenqi Wang, Sophia Vellozzi & Rahul Sengupta. 2023d. Quantitative acoustic versus deep learning metrics of lenition. Languages 8(2). (Equal contribution: Wayland, Tang and Wang). http: //dx.doi.org/10.3390/languages8020098 [ESCI] [Student Author: SV, FQ, RS] [ pdf | 99 bib] 2023 Kevin Tang & Dinah Baer-Henney. 2023. Modelling L1 and the artificial language during artificial language learning. Laboratory Phonology: Journal of the Association for Laboratory Phonology 14(1). 1-54. http://dx.doi.org/ 10.16995/labphon.6460 [SSCI, A&HCI] [ESCI] [First and corresponding author | pdf | 99 bib | materials 2023 Kevin Tang, Ratree Wayland, Fenqi Wang, Sophia Vellozzi, Rahul Sengupta & Lori Altmann. 2023. From sonority hierarchy to posterior probability as a measure of lenition: the case of Spanish stops. The Journal of the Acoustical Society of America 153(2). 1191-1203. http://dx.doi.org/10.1121/ 10.0017247 [SCI, SCI Expanded] [Student Author: SV, FQ, RS] [First and corresponding author | 🔀 pdf | 🔰 bib 2022 Kevin Tang, Charles B. Chang, Sam Green, Kai Xin Bao, Michael Hindley, Young Shin Kim & Andrew Nevins. 2022. Intoxication and pitch control in tonal and non-tonal language speakers. JASA Express Letters 2(6). 065202. http://dx.doi.org/10.1121/10.0011572 [ESCI] [Student Author: KXB and MH] [First author] [ pdf | J bib | materials | publicity] 2021 Kevin Tang & Jason A. Shaw. 2021b. Prosody leaks into the memories of words. Cognition 210. 104601. http://dx.doi.org/10.1016/j.cognition. 2021.104601 [SSCI] [First author] 🔀 pdf | 🍤 bib | 🖺 materials] 2020 Rahul Razdan, Ken Ford, Justin Mason, Sanjay Ranka, Brian Reimer, Raivo Sell, Edward Straub & Kevin Tang. 2020. Unsettled Topics Concerning Human and Autonomous Vehicle Interaction. SAE EDGE<sup>TM</sup> Research Reports.

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SAE International. 24 pp. https://www.sae.org/publications/technicalpapers/content/epr2020025/ [KT is part of the EDGE Development Team]

2020 Peter Howell, Li Ying Chua, Kaho Yoshikawa, Hannah Hau Shuen Tang, Taniya Welmillage, John Harris & **Kevin Tang**. 2020. Does working-memory training given to reception-class children improve the speech of children at risk of fluency difficulty? Frontiers in Psychology 11. 3182. http://dx.doi.org/ 10.3389/fpsyg.2020.568867 [SSCI] [Student Authors: LYC, KY, HT, TW] [Corresponding author] [ pdf **77** bib | **1** materials (Part of the Fluency In School Team project: www.fistproject.org) 2020 Kevin Tang, Mellissa M. C. DeMille, Jan C. Frijters & Jeffrey R. Gruen. 2020. DCDC2 READ1 regulatory element: how temporal processing differences may shape language. Proceedings of the Royal Society B: Biological Sciences 287(1928). 20192712. http://dx.doi.org/10.1098/rspb.2019.2712 [SCI Expanded] [First author] pdf | 99 bib | materials | publicity 2018 Kevin Tang & Ryan Bennett. 2018. Contextual predictability influences word and morpheme duration in a morphologically complex language (Kaqchikel Mayan). The Journal of the Acoustical Society of America 144(2). 997-1017. http://dx.doi.org/10.1121/1.5046095 [SCI, SCI Expanded] [First and corresponding author] [ pdf | ] bib] 2018 Ryan Bennett, Kevin Tang & Juan Ajsivinac Sian. 2018. Statistical and acoustic effects on the perception of stop consonants in Kaqchikel (Mayan). Laboratory Phonology: Journal of the Association for Laboratory Phonology 9(1). 9. http://dx.doi.org/10.5334/labphon.100 [SSCI, A&HCI] [Corresponding author] [ pdf | bib] Mellissa M. C. DeMille, **Kevin Tang**, Chintan M. Mehta, Christopher 2018 Geissler, Jeffrey G. Malins, Natalie R. Powers, Beatrice M. Bowen, Andrew K. Adams, Dongnhu T. Truong, Jan C. Frijters & Jeffrey R. Gruen. 2018. Worldwide distribution of the DCDC2 READ1 regulatory element and its relationship with phoneme variation across languages. Proceedings of the National Academy of Sciences. http://dx.doi.org/10.1073/pnas.1710472115. http://www.pnas.org/content/early/2018/04/10/1710472115 [SCI] [Second author] 🔁 pdf | 🎀 bib | 🖟 materials | 🖃 publicity] 2017 Peter Howell, Kevin Tang, Outi Tuomainen, Sin Kan Chan, Kirsten Beltran, Avin Mirawdeli & John Harris. 2017. Identification of fluency and wordfinding difficulty in samples of children with diverse language backgrounds. International Journal of Language & Communication Disorders 52(5). 595– 611. http://dx.doi.org/10.1111/1460-6984.12305 [SSCI, SCI Expanded] [Second author] [ pdf | 55 bib | materials]

(Part of the Fluency In School Team project: www.fistproject.org)

2015

Andrew Nevins, Cilene Rodrigues & **Kevin Tang**. 2015. The rise and fall of the L-shaped morphome: diachronic and experimental studies. *Probus: International Journal of Latin and Romance Linguistics* 27(1). (Equal contribution authorship: Nevins, Rodrigues and Tang), 101–155. http://dx.doi.org/10.1515/probus-2015-0002 [SSCI, A&HCI] pdf | 59 bib]

#### PROCEEDING ARTICLES (PUBLISHED OR ACCEPTED)

Accepted

Rayyan Merchant, Akhilesh Kakolu Ramarao & **Kevin Tang**. Accepted. Connecting the Persian-speaking world through transliteration. In *Advances in Iranian linguistics III*. Preprint: https://doi.org/10.48550/arXiv.2502.20047. John Benjamins [Student Authors: RM, AKR; Senior Author: KT] data; code

Accepted

Dana Serditova, **Kevin Tang** & Jochen Steffens. 2025. Automatic speech recognition biases in Newcastle English: an error analysis. In *Proc. Interspeech 2025*. ISCA. http://dx.doi.org/10.48550/arXiv.2506.16558. Forthcoming materials

Accepted

Anna Sophia Stein & **Kevin Tang**. 2025. Modeling probabilistic reduction using information theory and Naive Discriminative Learning. In *Proc. Interspeech 2025*. (Preprint: https://doi.org/10.48550/arXiv.2506.09641). ISCA. forthcoming [Student Author: AS] materials]

Accepted

Hamid Mojarad & **Kevin Tang**. 2025. Automatic speech recognition of African American English: lexical and contextual effects. In *Proc. Interspeech* 2025. (Preprint: https://doi.org/10.48550/arXiv.2506.06888). ISCA. forthcoming [Student Author: HM] [ materials]

2025

Akhilesh Kakolu Ramarao, **Kevin Tang** & Dinah Baer-Henney. 2025. Frequency matters: modeling irregular morphological patterns in Spanish with transformers. In Wanxiang Che, Joyce Nabende, Ekaterina Shutova & Mohammad Taher Pilehvar (eds.), *Findings of the association for computational linguistics: acl 2025*, 4474–4489. Vienna, Austria: Association for Computational Linguistics. <a href="https://aclanthology.org/2025.findings-acl.230/">https://aclanthology.org/2025.findings-acl.230/</a> [Student Author: AKR] [Senior author: KT] [ pdf | 55 bib | materials]

2025

Lian Remme & Kevin Tang. 2025a. Playing with voices: tabletop role-playing game recordings as a diarization challenge. In Luis Chiruzzo, Alan Ritter & Lu Wang (eds.), Findings of the Association for Computational Linguistics: NAACL 2025, 4969–4983. Albuquerque, New Mexico: Association for Computational Linguistics. https://aclanthology.org/2025.findings-naacl.280/ [Student Author: LR] [Senior author: KT] pdf | 55 bib | table materials]

2025

Rahul Porwal, Alice Rozet, Jotsna Gowda, Pryce Houck, **Kevin Tang** & Sarah Moeller. 2025. Analysis of LLM as a grammatical feature tagger for African American English. In Luis Chiruzzo, Alan Ritter & Lu Wang (eds.), *Findings of the Association for Computational Linguistics: NAACL* 2025, 7744–7756. Albuquerque, New Mexico: Association for Computational Linguistics. <a href="https://aclanthology.org/2025.findings-naacl.431/">https://aclanthology.org/2025.findings-naacl.431/</a> [Student Authors: RP, AR, PH, JG] [Senior authors: SM, KT] pdf | 99 bib | materials]

- Anna Stein & Kevin Tang. 2024. Modeling probabilistic reduction across domains with Naive Discriminative Learning. In *Proc. Interspeech 2024*, 4253–4257. ISCA. http://dx.doi.org/10.21437/interspeech.2024-1118 [Student Author: AS; Senior author: KT] pdf | 99 bib | materials]

  Ratree Wayland, Kevin Tang, Fenqi Wang, Sophia Vellozzi, Rachel Meyer & Rahul Sengupta. 2024b. Neural network-based measure of consonant lenition in Parkinson's Disease. *Proceedings of Meetings on Acoustics* 52(1). 060003.
- Ratree Wayland, **Kevin Tang**, Fenqi Wang, Sophia Vellozzi, Rachel Meyer & Rahul Sengupta. 2024a. Neural network-based measure of consonant lenition in L2 Spanish. *Proceedings of Meetings on Acoustics* 52(1). 060001. http://dx.doi.org/10.1121/2.0001881 [Student Author: RM, SV, RS] pdf | bib|

pdf | 55 bib]

http://dx.doi.org/10.1121/2.0001913 [Student Author: RM, SV, RS]

- Wilermine Previlon, Alice Rozet, Jotsna Gowda, Bill Dyer, **Kevin Tang** & Sarah Moeller. 2024a. Leveraging syntactic dependencies in disambiguation: the case of African American English. In Nicoletta Calzolari, Min-Yen Kan, Veronique Hoste, Alessandro Lenci, Sakriani Sakti & Nianwen Xue (eds.), Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING 2024), 10403–10415. Torino, Italia: ELRA & ICCL. https://aclanthology.org/2024.lrecmain.909 [Student Authors: WP, AR, JG, BD, Senior authors: KT and SM] pdf | 55 bib | materials]
- Jessica Nieder & **Kevin Tang**. 2023a. "Kriech nicht da rein!" a new corpus of naturalistic misperception of German misheard sung speech. In Radek Skarnitzl & Jan Volín (eds.), *Proceedings of the 20th International Congress of Phonetic Sciences*, *Prague 2023*, 506–510. Guarant International pdf | 55 bib | data | analyses]
- Ratree Wayland, **Kevin Tang**, Fenqi Wang, Sophia Vellozzi & Rahul Sengupta. 2023a. Measuring gradient effects of alcohol on speech with neural networks' posterior probability of phonological features. In Radek Skarnitzl & Jan Volin (eds.), *Proceedings of the 20th International Congress of Phonetic Sciences*, *Prague 2023*, 863–867. Guarant International [Student Authors: SV, FQ, RS] pdf | 59 bib]

Charles B. Chang, **Kevin Tang** & Andrew Nevins. 2023a. Individual differences in vowel compactness persist under intoxication across first and second languages. In Radek Skarnitzl & Jan Volin (eds.), *Proceedings of the 20th International Congress of Phonetic Sciences*, *Prague 2023*, 1182–1186. Guarant International pdf | 50 bib | materials]

Ratree Wayland, **Kevin Tang**, Fenqi Wang, Sophia Vellozzi & Rahul Sengupta. 2023c. Neural networks' posterior probability as measure of effects of alcohol on speech. *Proceedings of Meetings on Acoustics* 51(1). 060001. http://dx.doi.org/10.1121/2.0001764. https://doi.org/10.1121/2.0001764 [Student Author: SV, FQ, RS] pdf | 59 bib]

Cheonkam Jeong, Dominic Schmitz, Akhilesh Kakolu Ramarao, Anna Sophia Stein & Kevin Tang. 2023. Linear Discriminative Learning: a competitive non-neural baseline for morphological inflection. In *Proceedings of the 20th SIGMORPHON workshop on Computational Research in Phonetics, Phonology, and Morphology*, 138–150. (Equal contribution authorship: CJ, DS and AKR; Senior and corresponding author: KT). Toronto, Canada: Association for Computational Linguistics. https://aclanthology.org/2023.sigmorphon-1.16 pdf | 55 bib | materials]

Jason Shaw & **Kevin Tang**. 2022. A dynamic neural field model of leaky prosody: proof of concept. In Noah Elkins, Bruce Hayes, Jinyoung Jo & Jian-Leat Siah (eds.), *Proceedings of the Annual Meetings on Phonology*. Washington, DC. http://dx.doi.org/10.3765/amp.v10i0.5442 pdf | 57 bib | amaterials

Ratree Wayland, **Kevin Tang**, Fenqi Wang, Sophia Vellozzi & Rahul Sengupta. 2022. Lenition measures: neural networks' posterior probability vs. acoustic cues. *Proceedings of Meetings on Acoustics* 50(1). 060002. http://dx.doi.org/10.1121/2.0001728 [Student Author: SV, FQ, RS] pdf | 55 bib]

Akhilesh Kakolu Ramarao, Yulia Zinova, **Kevin Tang** & Ruben van de Vijver. 2022. HeiMorph at SIGMORPHON 2022 shared task on morphological acquisition trajectories. In *Proceedings of the 19th sigmorphon workshop on computational research in phonetics, phonology, and morphology*, 236–239. Seattle, Washington: Association for Computational Linguistics. https://aclanthology.org/2022.sigmorphon-1.24 [Student Author: AKR] [Senior author] pdf | 59 bib]

2023

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2020

Joshua L. Martin & **Kevin Tang**. 2020. Understanding Racial Disparities in Automatic Speech Recognition: The Case of Habitual "be". In *Proc. interspeech* 2020, 626–630. http://dx.doi.org/10.21437/Interspeech.2020–2893. http://dx.doi.org/10.21437/Interspeech.2020–2893 [Student Author: JM] pdf | **99** bib]

2020

Ayushi Pandey, Pamir Gogoi & Kevin Tang. 2020. Understanding forced alignment errors in Hindi-English code-mixed speech — a feature analysis. In Kalika Bali, Alan W. Black, Rupesh Kumar Mehta, Thamar Solorio, Victor Soto, Sunayana Sitaram & Emre Yilmaz (eds.), *Proceedings of First Workshop on Speech Technologies for Code-switching in Multilingual Communities 2020* (WSTCSMC 2020). Virtual, Online [Student Authors: AP and PG] pdf | bib]

2019

Kevin Tang & Ryan Bennett. 2019. Unite and conquer: bootstrapping forced alignment tools for closely-related minority languages (Mayan). In Sasha Calhoun, Paola Escudero, Marija Tabain & Paul Warren (eds.), Proceedings of the 19th International Congress of Phonetic Sciences, Melbourne, Australia 2019, 1719–1723. Canberra, Australia: Australasian Speech Science and Technology Association Inc. https://assta.org/proceedings/ICPhS2019/papers/ICPhS\_1768.pdf [First author] pdf | 55 bib]

2017

Peter Howell, Kaho Yoshikawa, **Kevin Tang**, John Harris & Clarissa Sorger. 2017. Intervention for word-finding difficulty for children starting school who have diverse language backgrounds. In Robert Eklund & Ralph Rose (ed.), *Proceedings of Disfluencies in Spontaneous Speech, 8th workshop*, vol. 58, 33–36. Stockholm, Sweden: KTH Royal Institute of Technology, TMH-QPSR pdf | 55 bib | materials (Part of the Fluency In School Team project: www.fistproject.org)

2014

Kevin Tang & Andrew Nevins. 2014. Measuring segmental and lexical trends in a corpus of naturalistic speech. In Hsin-Lun Huang, Ethan Poole & Amanda Rysling (eds.), Proceedings of the 43rd meeting of the North East Linguistic Society, vol. 2, 153–166. GLSA (Graduate Linguistics Student Association) pdf | 99 bib | materials]

SELECTED PUBLISHED CONFERENCE ABSTRACTS

2024

Anh Kim Nguyen & **Kevin Tang**. 2024. The effect of word segmentation and phonological neighbours on spoken word recognition in Mandarin Chinese. In Taehong Cho, Ki-Jeong Lee, Sahyang Kim, Jeff Holliday & Sang-Im Lee-Kim (eds.), Proceedings of the 19th conference on laboratory phonology (Laboratory Phonology 19), 275–276. Seoul, South Korea: Hanyang Institute for Phonetics & Cognitive Sciences of Language (HIPCS)

2023

Kevin Tang, Ratree Wavland, Fenqi Wang, Sophia Vellozzi & Rahul Sengupta. 2023. Quantitative acoustic versus deep learning metrics of lenition. In T. Pistor, C. Steiner, F. Tomascheck & A. Leemann (eds.), Book of Abstracts der 19. Tagung Phonetik und Phonologie im deutschsprachigen Raum, 06.-07.10.2023, Universität Bern, 42-43. Bern: Bern Open Publishing. http: //dx.doi.org/10.48350/186731

2022

Ratree Wayland, Kevin Tang, Fenqi Wang, Sophia Vellozzi, Rahul Sengupta & Lori Altman. 2022. Lenition measures: neural networks' posterior probability versus acoustic cues. The Journal of the Acoustical Society of America 152(4). A59-A59. http://dx.doi.org/10.1121/10.0015542. https: //doi.org/10.1121/10.0015542

#### Working Papers

2013

**Kevin Tang** & Andrew Nevins. 2013. Quantifying the diachronic productivity of irregular verbal patterns in Romance. UCL Working Papers in Linquistics 25. 289–308 [ pdf | 55 bib]

2012

**Kevin Tang.** 2012. A 61 million word corpus of Brazilian Portuguese film subtitles as a resource for linguistic research. UCL Working Papers in Linguistics 24. 208-214. http://dx.doi.org/10.17605/OSF.IO/VB5YP pdf | 55 bib

## Articles (Submitted, In Revision, Revised & Resubmitted)

submitted

Revised & re- Ratree Wayland, Rachel Meyer, Sophia Vellozzi & Kevin Tang. Submitted. Individual differences in language acquisition: the impact of study abroad on native English speakers learning Spanish [Corresponding author: KT; Student Author: RM, SV

Under review

Ryan Bennett, Kevin Tang & Fenqi Wang. Under review. Glottalized stops and affricates in Eastern Mayan languages. In Bonny Sands, Didier Demolin, Maida Percival & Anne-Maria Fehn (eds.), Non-pulmonic consonants. Preprint. Sheffield, UK: Equinox Publishing. http://dx.doi.org/10. 31234/osf.io/4ksvx\_v1

Submitted

Peter Howell, Sihan Li Jason Ka-Hei Au John Harris & Kevin Tang. Submitted. Perceptual saliency and speech error metric performances in non-word repetition dissociate ADHD from stuttering [Student Author: JKJA and SHL]

Submitted

Nitin Venkateswaran, **Kevin Tang** & Ratree Wayland. 2025. Probing for Phonology in Self-Supervised Speech Representations: A Case Study on Accent Perception. https://arxiv.org/abs/2506.17542 [Student Author: NV]

#### Manuscripts in Preparation

In prep. Anh Kim Nguyen & **Kevin Tang**. In prep. Misperceptions of spoken words:

data from Mandarin monosyllabic words

In prep. Ratree Wayland Kevin Tang, Karen W. Hegland & Yonghee Oh. In prep.

Temporal and spectral intensity variability in typical and atypical parkinson-

ism

In prep. Kevin Tang, Ye Tian, Jyrki Tuomainen, Judit Druks & Katja Biermann-

Ruben. In prep. PSYCHI-GRAM: a psycholinguistic database of Mandarin

Chinese nouns and verbs for grammatical class research

In prep. Kevin Tang & Jason A. Shaw. In preparation. Homophones are not homo-

phonic in Mandarin Chinese

In prep. John Harris, Nicholas Neasom & Kevin Tang. In prep. Phonotactics with

[awt] rules: the learnability of a simple, unnatural pattern in English.

#### Ph.D. Thesis

2015 **Kevin Tang**. 2015. Naturalistic speech misperception. University College

London dissertation [ pdf | 55 bib]

This thesis yielded a new corpus containing  $\approx 5,000$  instances of naturally occurring misperception of conversational English. Please see the SEAR (Slips

of the EAR) Project for more details: www.searproject.org

#### EDUCATIONAL RESOURCES

2025 Kevin Tang. 2025b. Python for Linguists. http://dx.doi.org/10.17605/

OSF.IO/MQZUJ. osf.io/mqzuj - A repository of student-led projects from the

course Python for Linguists

2025 **Kevin Tang**, Carter Williams & Esther Florin. 2025. *Vocal Alchemy: Shaping* 

Voices with Signal Processing. http://dx.doi.org/10.17605/OSF.IO/R8967. osf.io/r8967 - A repository of student-led projects from the course Vocal Alchemy: Shaping Voices with Signal Processing - Interdisciplinary teaching with Prof. Dr. Esther Florin (Neurology) and Dr. Carter Williams (Music)

Lara Rüter, Julika Weber, Christopher Geissler & **Kevin Tang**. 2024. Project Report – Interactive web-based review units for phonetics and phonology. http://dx.doi.org/10.31234/osf.io/74x6p. osf.io/preprints/psyarxiv/74x6p [▶ Poster]

Lara Rüter, Julika Weber, Christopher Geissler & Kevin Tang. 2023. Course content of "Interactive web-based review units for phonetics and phonology". Open Science Framework. Available also at https://www.twillo.de/edu-sharing/components/render/139c131a-a8a5-4b2e-852c-3f6b8a7b57a4. http://dx.doi.org/10.17605/OSF.IO/KJNAD [Student authors: LR and JW; Senior and corresponding authors: CG and KT] [License: ©①\$②]

2023 **Kevin Tang**, Akhilesh Kakolu Ramarao & Anna Sophia Stein. 2023. Course content of "FOSStering Digital Humanities through Accent Diversity & Conversational Devices". Open Science Framework. https://osf.io/2cg9z/[Student authors: AKR and ASS; Senior and corresponding author: KT]

#### RESEARCH TOOLS

2023

2025	Kevin Tang. 2025. Praat Toolkit. https://osf.io/8qaxp/. http://dx.
	doi.org/10.17605/OSF.IO/8QAXP
2018	Kevin Tang. 2018. Linger Toolkit. https://osf.io/v59gr/. http:
	//dx.doi.org/10.17605/OSF.IO/V59GR
2012	Kevin Tang. 2012. A 61 million word corpus of Brazilian Portuguese film
	subtitles as a resource for linguistic research. UCL Working Papers in Linguis-
	tics 24. 208-214. http://dx.doi.org/10.17605/OSF.IO/VB5YP

# Grants and awards

# WHILE AT HEINRICH-HEINE-UNIVERSITY DÜSSELDORF

2025	Education Grant. €11,218. e-Learning support fund, Heinrich-Heine-University Düsseldorf. "AI Literacy for Machine Translation: Critical Reflection of Biases and Parallel Corpora for Multilingual Literary Texts". Coapplicant: Dr. Hannah Pardey [Further info]
2025	Teaching Nomination. <b>Nominierungen für den Lehrpreis 2025</b> . Service-Center für gutes Lehren und Lernen, Heinrich-Heine-University Düsseldorf. "Laboratory Phonology" and "Phonetics and Phonology". [Further info] [Quote from students]
2024–2025	Research Grant. \$99,956. American Council of Learned Societies. Digital Justice Development Grants. "Reanimating African American Oral Histories of the Gulf South: Enhancing Public Engagement". Funding awarded to Sarah Moeller (Linguistics). Role: Principal member of the project team with Anna Hamilton and Rebekah A. Cordova (Education) [Further info] (Own share: None)
2024	Education Grant. €10,429. e-Learning support fund, Heinrich-Heine-University Düsseldorf. "Computational Methods for the Study of Multilingual Literary Texts". Co-applicant: Dr. Hannah Pardey [Further info]
2024	Teaching Nomination. <b>Nominierungen für den Lehrpreis 2024</b> . Service-Center für gutes Lehren und Lernen, Heinrich-Heine-University Düsseldorf. "Language and Health" and "Phonetics and Phonology". [Further info] [Quote from students]
2023	Education Grant. €9,728. e-Learning support fund, Heinrich-Heine-University Düsseldorf. "Choose Your Own Adventure: Teleporting to a Virtual Phonetics Laboratory". Co-applicant: Eoin O'Reilly and Christopher Geissler [Project page] [Grant info]
2022	Teaching Nomination. <b>Nominierungen für den Lehrpreis 2022</b> . Service-Center für gutes Lehren und Lernen, Heinrich-Heine-University Düsseldorf. "Quantitative Methods for Linguistic Data: An Introduction to Statistics using R". [Further info] [Quote from students]
2022	Hardware Grant. <b>20</b> × <b>NVIDIA® Jetson<sup>TM</sup> Nano Developer Kits</b> . NVIDIA Academic Hardware Grant, "FOSStering Digital Humanities through Accent Diversity & Conversational Devices". Co-applicant: Akhilesh Kakolu Ramarao [Project page] [Grant info]
2022	Education Grant. €9,424. e-Learning support fund, Heinrich-Heine-University Düsseldorf. "Interactive web-based review units for phonetics and phonology". Co-applicant: Christopher Geissler and Akhilesh Kakolu Ramarao [Project page] [Grant info] [ Report   Poster]

#### WHILE AT UNIVERSITY OF FLORIDA

2021-2023

Research Grant. \$85,000. University of Florida Office of Research – Research Opportunity Seed Fund. "Demystifying perceptual evaluations of parkinsonism sub-categorizations using machine learning". Co-PI with Karen Wheeler Heglan (Speech, Language, and Hearing Sciences), Yonghee Oh (Speech, Language, and Hearing Sciences) and Ratree Wayland (Linguistics)

2021-2024

Research Grant. \$349,990. National Endowment for the Humanities (Award ID: PW-277433-21). "Reanimating African American Oral Histories of the Gulf South: Tailoring Education and Research through Natural Language Understanding". Past role: PI (PI-ship transferred to Sarah Moeller). Current role: Co-I. Co-PI: Paul Ortiz (Samuel Proctor Oral History Program), and Stephanie Birch (Libraries). Co-I with Deborah Hendrix (SPOHP), Laura Spears (Libraries), Brittany Kester (Libraries), Joshua Martin and Rebekah A. Cordova (Education) [Project page] [Further info 1] [Further info 2]

2020-2023

Research Grant. \$750,000. National Science Foundation (Award ID: 2037266). "Smart Electropalatography for Linguistic and Medical Applications (SELMA)". Co-PI with Yong-Kyu Yoon (Engineering), Ratree Wayland (Linguistics) and Lori J. Altmann (Speech, Language, and Hearing Sciences) [Project page] [Further info]

2020-2021

Research Grant. \$49,004. University of Florida Clinical and Translational Science Institute. "A sociolinguistic-enabled web application to precision health intervention for African Americans". Co-PI with Janice Krieger (Communication Sciences and Medicine) [Further info]

2020 - 2021

Research Grant. \$18,875. University of Florida Informatics Institute. "The emergence of COVID-19 team science: tracking topics, networks and expertise in global COVID-19 research". Co-PI with Raffaele Vacca (Network Sciences). [Further info]

2021

Research Mentor Award. \$1000 University of Florida, University Scholars Program. Two awards (\$500 per award). Research students: Rayyan Merchant and Ryan Aponte [Further info]

2020,2021

Research Mentor Award. **\$1500** University of Florida, University Research Scholars Program. Six awards (\$250 per award). Research students: Grace Tovkach, Ryan Aponte, Nancy Chen, Rayyan Merchant, Calvin Yang, Sophia Vellozzi [Further info]

#### WHILE AT ZHEJIANG UNIVERSITY

2018

Research Grant. 90,000 RMB (\$12,738). The Fundamental Research Funds for the Central Universities, The Institute of Social Sciences, China. "Interdisciplinary study of multilingualism in the Middle Ages and the Renaissance". Co-applicant with Hao Tian Hu, Feng Guo Dong and Lu Yun

2017–2019	Research Grant. \$14,500. Salomon Award. "Multi-purpose corpora for modern Mayan languages". Co-applicant with Prof. Scott AnderBois (Brown), Prof. Ryan Bennett (Yale) and Prof. Robert Henderson (Arizona)
2016	Research Grant. £1200. International Association for Forensic Phonetics and Acoustics (IAFPA) "The Phonetics of Trademark Law". Co-applicant with Silvia Dahmen (University of Cologne) and Lawrence Solan (Brooklyn Law School)

# WHILE AT UNIVERSITY COLLEGE LONDON (GRADUATE)

2013	European Science Foundation Short Visit Grant received by NetWordS - 09-RNP-089, The European Network on Word Structure. Openlexicons project at the Center for Reading Research, Department of Experimental Psychology, Ghent University, Belgium
2013	The Big Data Hackathon - April - Data Science London. Second Prize for the Data Visualization Challenge (in 24 hours): develop a data visualization based on data provided by Peerindex (with Joaquin Atria, Mauricio Figueroa & Tim Schoof) [See the final product "Twittrends": https://goo.gl/o243ZI]
2011	Arts and Humanities Research Council. M.Phil./Ph.D. Studentship: M.Phil./Ph.D. in Linguistics at University College London

# WHILE AT UNIVERSITY OF CAMBRIDGE (UNDERGRADUATE)

2009	The Institution of Engineering and Technology. The IET Innovation Award, Finalist: Gap year project: Automatic Testing of Novel High Resolution X-ray Optics Using Matlab
2009	Cambridge University Language Centre. Bursaries for Science and Medical Students for Language Courses Abroad
2006	The Year In Industry Contribution to Business Award, Finalist: Gap year project
2005	The Institution of Engineering and Technology. The IET Fuse Scholarship: University

## Outreach

#### SCIENCE EVENTS WITH DEMONSTRATIONS

2024 Kevin Tang, Dalia Carvalho Rodrigues, Vittorio Ciccarelli & The Speech,

Lexicon, and Modeling lab. 2024. Sprachwissenschaft in Aktion: Studierende als Forscher\*innen (English: linguistics in action: students as researchers). In *Nacht der Wissenschaft*. Shadowplatz, Düsseldorf. <a href="https://www.nach.nih.gov/https

nachtderwissenschaft-duesseldorf.de/ [Event report] [Virtual booth]

2022 **Kevin Tang**, Anh Kim Nguyen, Christopher Geissler & The Speech, Lexicon, and Modeling lab. 2022. Role of linguistics in AI for social good. In *Nacht der Wissenschaft*. Shadowplatz, Düsseldorf. https://www.

nachtderwissenschaft-duesseldorf.de/ [Event report] [Virtual booth]

#### SCIENCE EVENTS WITHOUT DEMONSTRATIONS

Kevin Tang. May, 2025. A slip 'twixt the pint and the tongue: the link between alcohol and speech. Pint of Science, Düsseldorf, Germany. https://www.new.alcohol.com/pintedgesiance.de/accents/duescaldorf/[Presenting over works.].

//pintofscience.de/events/duesseldorf [Presenting own work: K. Tang, C. B. Chang, Green, Bao, Hindley, Y. S. Kim & Nevins (2022), C. Chang, K. Tang & Nevins (2023a), Wayland, K. Tang, F. Wang, Vellozzi & Sengupta

(2023a)]

2025 Lian Remme. April, 2025. Playing with voices: tabletop role-playing game recordings as a diarization challenge. *Science Slam in der Zentralbibliothek*,

Düsseldorf, Germany [Collaborator presenting joint work: Remme & K. Tang

(2025b)]

2025 **Kevin Tang**. March, 2025. What's in a slip of the tongue? using articulatory-informed ai models to understand neurological disorders, intoxication, and second language accent. *Brain Awareness Week. Heinrich Heine University* 

second language accent. Brain Awareness Week, Heinrich Heine University Düsseldorf, Germany. https://www.ling.hhu.de/en/departments/linguistik-iv-psycho-und-neurolinguistik/brain-awareness-week

[Part of the Brain Awareness Week organised by Pamela Villar González]

#### Invited talks

2020 Kevin Tang. November, 2020(a). Science without borders: where linguistics

meets human health research. Annual Research Forum: Multicultural Association of Pre-Health Student (M.A.P.S.), University of Florida, USA. https:

//www.mapsuf.com/

2020 **Kevin Tang**. November, 2020(b). The importance of One Health on linguistics. *One Health Week 2020*, One Health Center of Excellence, University of

Florida, USA. https://www.youtube.com/watch?v=lW-AFDYAGUI/

# RESEARCH REPORTED IN THE MEDIA

2022	Avery Thompson. 2022. Tonal language speakers experience less vocal impairment from alcohol. AIP Scilight. http://dx.doi.org/doi.org/10.1063/10.0013392. https://aip.scitation.org/doi/10.1063/10.0013392/
2020	How Genetics Guide the Evolution of Language? 2020. News, College of Liberal Arts and Sciences, University of Florida. https://news.clas.ufl.edu/how-genetics-guide-the-evolution-of-language/
2018	Nikhil Sonnad. 2018. Can genes change the way languages evolve? <i>Quartz</i> . https://qz.com/1264305/can-genes-change-the-way-languages-evolve/

# NEWSPAPER ARTICLES

2020	<b>Kevin Tang.</b> 2020. Forward – reminiscences of an undergraduate from the
	noughties. Churchill Review: 60th Anniversary of Churchill College 57B. 79—
	80
2015	M.C. Carmo & Kevin Tang. 2015. Alternância, 'auternância' ou 'arternân-
	cia': variação dos sons da fala. <i>Diário da Região</i> . 28 Feburary 2015, 4C–4C
	[Article: https://goo.gl/QT6WKQ]

Presentations PEER-REVIEWED TALKS	
2024	Akhilesh Kakolu Ramarao, <b>Kevin Tang</b> & Dinah Baer-Henney. N.d. A computational approach to understanding the cognitive reality of morphomic patterns: the case of L-shaped morphomes in Spanish. Annual Meeting of Linguistics Association of Great Britain and Northern Ireland, Newcastle University, United Kingdom [Student Authors: AKR]
2024	Kevin Tang, Sarah Moeller & Alice Rozet. 2024. Automatic detection of morphosyntactic dialect features in African American English oral histories. MODIFED: Morphosyntactic Dialect Feature Detection Workshop, Leiden University, The Netherlands [Student Authors: AR]
2024	Janice Krieger, <b>Kevin Tang</b> , Alexis Davis, Joshua L. Martin, Eric Cooks, Melissa J. Vilaro & Danyell Wilson-Howard. 2024. From English to "Englishes": a process perspective on enhancing the linguistic responsiveness of culturally tailored cancer prevention interventions. The 18th International Conference on Language and Social Psychology (ICLASP18:2024), Tallinn University, Estonia [Student Authors: AD]

2023 Ratree Wayland, Kevin Tang, Fenqi Wang, Sophia Vellozzi & Rahul Sengupta. 2023b. Measuring gradient effects of alcohol on speech with neural networks' posterior probability of phonological features. The 20th International Congress of Phonetic Sciences, Prague, Czech Republic Student Authors: FW, SV, RS] 2023 Jessica Nieder & Kevin Tang. 2023c. A corpus study of naturalistic misperceptions in German sung speech. Phonetics and Phonology in Europe 2023, Radboud University in Nijmegen, the Netherlands 2023 Rayyan Merchant & Kevin Tang. 2023a. Connecting the Persian-speaking world through transliteration. North American Conference in Iranian Linguistics 3 [Student Author: RM] 2023 Akhilesh Kakolu Ramarao, **Kevin Tang** & Dinah Baer-Henney. January, 2023. Can Neural Networks learn human-like behavior when inflecting verbs? the case of Spanish. Shortlisted presentation at the Five-Minute linguist competition, Linguistic Society of America 97th Annual Meeting 2023, Denver, CO, USA [Student Author: AKR] 2022 Jason Shaw & Kevin Tang. October, 2022. A dynamic neural field model of leaky prosody: proof of concept. 2022 Annual Meeting on Phonology, University of California, Los Angeles, USA.. https://osf.io/7znbf/ 2021 Fengi Wang, Delin Deng, Qingcheng Zeng, Ratree Wayland & Kevin Tang. 2021. A corpus study of the production of syllable-initial /l/ and /n/ in Ganaccented Mandarin: random forest classification. The 49th Meeting of New Ways of Analyzing Variation [Student Authors: FW, DD, QZ] 2021 Kevin Tang & Dinah Baer-Henney. 2021. The necessity of modelling lexical effects during artificial language learning paradigm. Workshop at 54th Annual Meeting of the Societas Linguistica Europaea (SLE 2021), Athens, Greece. 2021 Kevin Tang, Kaixuan Gong, Jingyi Yang, Sixian Du & Yanduo Chen. 2021. Modeling the acceptability of Mandarin pseudowords with big data – the case of gradient phonotactics. The 18th Old World Conference in Phonology, Ibiza, Spain. [Student Authors: KG, JY, SD, and YC] 2021 Calvin Yang & Kevin Tang. 2021. A richer model is not always more accurate: evaluating phonotactic knowledge with 8,400 nonwords. The 18th Old World Conference in Phonology, Ibiza, Spain. [Student Author: CY] 2020 Dinah Baer-Henney & Kevin Tang. September, 2020. Disentangling L1 and L2 effects from learning bias in artificial language learning. Talk at 16th Phonetik und Phonologie Tagung, Trier, Germany

2019 Kevin Tang & Jason Shaw. October, 2019. Sentence prosody leaks into the lexicon: evidence from Mandarin Chinese. 5th Annual Florida Psycholinguistics Meeting, University of Miami, USA. 2019 Kevin Tang & Ryan Bennett. August, 2019. Unite and conquer: bootstrapping forced alignment tools for closely-related minority languages (Mayan). International Congress of Phonetic Sciences 2019, Melbourne, Australia 2019 **Kevin Tang** & Dinah Baer-Henney. May, 2019. Disentangling L1 and L2 effects in artificial language learning. 27th Manchester Phonology Meeting, University of Manchester, UK. 2018 **Kevin Tang.** November, 2018. How genes shape phonology: evidence from worldwide distribution of the DCDC2 READ1 regulatory element and its relationship with phoneme variation across languages. The 8th International Conference on Formal Linguistics, China. 2018 John Harris, **Kevin Tang** & Nicholas Neasom. September, 2018. Do phonologists know too much? A regular, simple, unnatural pattern in English. 14th Phonetik und Phonologie im deutschsprachigen Raum, University of Vienna, Austria. 2018 Kevin Tang & Faruk Akkus. January, 2018. OCP Effects in Turkish Partial Reduplication: Locality and Feature Specificity. The 15th Old World Conference in Phonology, London, United Kingdom. 2017 Ryan Bennett, **Kevin Tang** & Juan Ajsivinac Sian. October, 2017. Laryngeal co-occurrence restrictions in Kaqchikel reflect articulatory timing. Eighth Conference on Indigenous Languages of Latin America, University of Texas, USA. 2017 Ryan Bennett & Kevin Tang. May, 2017. Laryngeal co-occurrence restrictions reflect sub-segmental articulatory structure. 25th Manchester Phonology Meeting, University of Manchester, UK. 2017 Ryan Bennett & Kevin Tang. January, 2017. Acoustic and lexical effects on speech perception in Kagchikel (Mayan). The 91st Annual meeting of the Linguistic Society of America, Austin, TX, USA. [Handout] 2016 Ryan Bennett & Kevin Tang. November, 2016. Perceptual similarity in the stop consonants of Kaqchikel. Form and Analysis in Mayan Linquistics IV, Universidad de Oriente, Valladolid, Yucatán, México. 2016 Ryan Bennett & Kevin Tang. October, 2016. Against phonetic realism as the source of root co-occurrence restrictions. Annual Meeting on Phonology, University of Southern California, Los Angeles, USA. [Handout]

2016 Ryan Bennett & Kevin Tang. July, 2016. Modeling phonetic and phonological variation with 'small' data: evidence from Kaqchikel Mayan. The 15th Conference on Laboratory Phonology, Cornell University, USA. 2016 John Harris, Nicholas Neasom & Kevin Tang. May, 2016(a). Phonotactics with [awt] rules: the learnability of a simple, unnatural pattern in English. 24th Manchester Phonology Meeting, University of Manchester, UK. [Handout] 2016 Ryan Bennett & Kevin Tang. May, 2016. Modeling the production and perception of Kaqchikel Mayan with 'small' data. 24th Manchester Phonology Meeting, University of Manchester, UK. 2014 Kevin Tang & John Harris. September, 2014. A functional load account of geminate contrastiveness: a meta-study. Annual Meeting of the *Linguistics* Association of Great Britain, University of Oxford, UK. 2014 **Kevin Tang.** May, 2014. Using subtitle corpora to model aspects of spoken language. Corpus Linguistics in the South 7: Spoken Language, University College London, UK. 2014 Kevin Tang & Yan Lou. January, 2014. Mandarin Chinese speech perception in noise: phonological implications. The 11th Old World Conference in Phonology, Amsterdam-Leiden, The Netherlands. 2013 Kevin Tang, Sam Green & Stefanie Anyadi. November, 2013. When interdisciplinarity assists peer-learning: PeerWise at UCL. Higher Education Academy (HEA) STEM: Interdisciplinary show case, BBC Broadcast Centre, London, UK. [Slides] 2013 Kevin Tang, Andrew Nevins & Michael Becker. January, 2013(a). Prosody drives alternations: evidence from a 61 million word corpus of Brazilian Portuguese. The 10th Old World Conference in Phonology, Istanbul, Turkey. 2012 Kevin Tang & Andrew Nevins. October, 2012. Naturalistic speech misperception - a computational corpus-based study. The 43rd Annual Meeting of the North East Linguistic Society, Computational Linguistics Workshop, New York City, NY, The City University of New York, USA 2012 Kevin Tang & Andrew Nevins. May, 2012. Learning from mistakes: computational modelling of slips of the ear. 20th Manchester Phonology Meeting,

#### Peer-reviewed posters

Nitin Venkateswaran, Ratree Wayland & **Kevin Tang**. 2025. Phonological feature probing for accent discrimination in SSL representations. 2025 Annual Meeting on Phonology (AMP), University of California, Berkeley, USA. Special session poster presentation.

University of Manchester, UK.

Dana Serditova, **Kevin Tang** & Jochen Steffens. March, 2025. Regional biases in Automatic Speech Recognition: the case of Newcastle English. 47th Annual Conference of the German Linguistic Society, Special Interest Group on Computational Linguistics (DGfS-CL), Johannes Gutenberg University Mainz, Germany.

Hamid Mojarad & **Kevin Tang**. March, 2025. Sociolinguistic ASR errors in African American English: lexical and contextual effects. 47th Annual Conference of the German Linguistic Society, Special Interest Group on Computational Linguistics (DGfS-CL), Johannes Gutenberg University Mainz, Germany. [Student Author: HM]

Rayyan Merchant & **Kevin Tang**. 2024b. ParsText: a digraphic corpus for Tajik-Farsi transliteration. In Kyle Gorman, Emily Prud'hommeaux, Richard Sproat & Brian Roark (eds.), *Proceedings of the Second Workshop on Computation and Written Language (CAWL 2024)*. accepted (Preprint: https://doi.org/10.31234/osf.io/xdf2w. Torino, Italia: Association for Computational Linguistics. Forthcoming [Student Author: RM]

Wilermine Previlon, Alice Rozet, Jotsna Gowda, Bill Dyer, **Kevin Tang** & Sarah Moeller. 2024b. Leveraging syntactic dependencies in disambiguation: the case of African American English. In *Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation* (LREC-COLING 2024). accepted (Preprint: https://doi.org/10.31234/osf.io/ph7q8). Torino, Italia. Forthcoming [Student Authors: WP, AR, JG, BD, Senior authors: KT and SM]

Anh Kim Nguyen & **Kevin Tang**. June, 2024. The effect of syllable segmentation and phonological neighbours on spoken word recognition in Mandarin Chinese. *The 19th Conference on Laboratory Phonology*, Hanyang University, Seoul, Korea. [Student Authors: AKN]

**Kevin Tang**, Ratree Wayland, Fenqi Wang, Sophia Vellozzi & Rahul Sengupta. October, 2023. Quantitative acoustic versus deep learning metrics of lenition. 19th Phonetik und Phonologie im deutschsprachigen Raum, University of Bern, Switzerland. [Student Authors: FW, SV, RS]

Charles B. Chang, **Kevin Tang** & Andrew Nevins. 2023b. Individual differences in vowel compactness persist under intoxication across first and second languages. The 20th International Congress of Phonetic Sciences, Prague, Czech Republic

Jessica Nieder & **Kevin Tang**. 2023b. "Kriech nicht da rein!" - a new corpus of naturalistic misperception of German misheard sung speech. The 20th International Congress of Phonetic Sciences, Prague, Czech Republic

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2023 Ratree Wayland, Kevin Tang, Fenqi Wang, Sophia Vellozzi, Rahul Sengupta & Lori Altmann. May, 2023. Neural networks' posterior probability as measure of effects of alcohol on speech. 184th Meeting of the Acoustical Society of America, Chicago, Illinois, USA. [Student Authors: FW, SV, RS] 2023 Eoin O'Reilly, Christopher Geissler & Kevin Tang. 2023. Uncover articulatory correlates of acoustic duration with analysis-by-synthesis: the case of diphthongs. Phonetics and Phonology in Europe 2023, Radboud University in Nijmegen, the Netherlands [Student Author: EO] 2023 Kevin Tang, Seyedeh Zahra Mirkhaef, Julia Henkel, Christian Hartmann & Katja Biermann-Ruben. March, 2023. Language production in Parkinson's Disease: measuring syntactic complexity. Parkinson und Bewegungsstörungen - Highlights Digital 2023, Germany. https://www.dpg-akbont-kongress. de/. https://doi.org/10.17605/OSF.IO/GCH7S [Student Authors: SZM] (Awarded a poster prize) Rayyan Merchant & Kevin Tang. 2023b. Translating through transliteration: 2023 the case of Tajik Persian. Linguistic Society of America 98th Annual Meeting 2023 [Student Authors: RM] 2022 Ratree Wayland, Kevin Tang, Fenqi Wang, Sophia Vellozzi, Rahul Sengupta & Lori Altmann. December, 2022. Lenition measures: neural networks' posterior probability versus acoustic cues. 183rd Meeting of the Acoustical Society of America, Nashville, Tennessee, USA. 2022 Audrey Zhang, Fjorda Kazazi, **Kevin Tang** & Peter Howell. September, 2022. Changes in mental wellbeing for gender and ethnicity groups between entry, and 4 weeks after starting, university. The third Institute of Mental Health International Conference, London, UK. 2022 Kevin Tang, Akhilesh Kakolu Ramarao & Dinah Baer-Henney. May, 2022. Modeling irregular morphological patterns with recurrent neural network: the case of the L-shaped morphome. 13th Mediterranean Morphology Meeting. University of the Aegean, Greece. 2022 Eric Cooks, Melissa Vilaro, Andrew Maxim, **Kevin Tang**, Shu Wang, Ben Lok, Maryam Sattari, Danyell Wilson-Howard & Janice Krieger. March, 2022.

cology (ASPO), Tucson, AZ.

Deploying virtual clinicians to reduce racial disparities in young-onset colorectal cancer: experiences of Black adults with a culturally-tailored telehealth intervention. 46th annual meeting of the American Society of Preventive On-

2022 Fenqi Wang, Ratree Wayland & Kevin Tang. 2022. Native English listeners' processing of pitch accent in the perception of English lexical stress. The 96th Annual Meeting of Linguistic Society of America 2021 Eric Cooks, Melissa Vilaro, Andrew Maxim, **Kevin Tang**, Shu Wang, Ben Lok, Maryam Sattari, Danyell Wilson-Howard & Janice Krieger. December, 2021. Extending the use of a virtual technology intervention to deliver colorectal cancer information to a younger cohort: the case of newly screening-eligible young Black adults. Annual University of Florida Health Cancer Center Research Symposium, Gainesville, FL. 2021 Kevin Tang & Jason A. Shaw. 2021a. Non-homophonic homophones in Mandarin Chinese: evidence for phonetic detail in the lexicon. 95th Annual Meeting of Linguistic Society of America 2021, San Francisco, USA. 2021 Alejandro Lopez, Hae Won Kim, Monae McKinney & Kevin Tang. 2021. Reducing racial bias in word embeddings with counterfactual data augmentation. 95th Annual Meeting of Linguistic Society of America 2021, San Francisco, USA. [Student Authors: AL, HWK and MM] Fengi Wang, Kevin Tang & Jun Lyu. 2021. The effect of pitch accent on the 2021 perception of English lexical stress by native and non-native listeners. 95th Annual Meeting of Linguistic Society of America 2021, San Francisco, USA. [Student Authors: FW and JL] 2020 Kevin Tang & Jason Shaw. 2020. Prosody or information rate? informativity effects on pitch, intensity and duration in Mandarin Chinese words. The 17th Conference on Laboratory Phonology, University of British Columbia and Simon Fraser University [2020]Bronwen Evans, Hope Stevens & Kevin Tang. (Postponed due to COVID-19). The centre cannot hold"? phonetic variation and change in a rural east midlands community. British Association of Academic Phoneticians (BAAP) 2020, University of York, UK 2020 John Harris, Nicholas Neasom & Kevin Tang. Feburary, 2020. Regular does not guarantee categorical: /aw/+coronal in English. BLS Workshop Phonological representations: at the crossroad between gradience and categoricity, UC Berkeley, USA. 2019 Kevin Tang & Jason Shaw. May, 2018. Sentence prosody leaks into the lexicon: evidence from Mandarin Chinese. 7th Annual Meeting on Phonology 2019, Stony Brook University, NY, USA.

2019, Stony Brook University, NY, USA.

**Kevin Tang** & Jason Shaw. May, 2018. Sentence prosody leaks into the lexicon: evidence from Mandarin Chinese. 7th Annual Meeting on Phonology

2019

2019	Hope Stevens Bronwen Evans & <b>Kevin Tang</b> . (Offered but Declined), September, 2019. The centre cannot hold"? phonetic variation and change in a rural east midlands community. 2019 Annual Meeting of the Linguistics Association of Great Britain, Queen Mary University of London, UK.
2018	<b>Kevin Tang</b> & Faruk Akkus. May, 2018. OCP effects in Turkish partial reduplication: locality and feature specificity. <i>26th Manchester Phonology Meeting</i> , University of Manchester, UK.
2017	<b>Kevin Tang</b> & Andrew Nevins. January, 2017. Expectation and lexical retrieval in naturalistic and experimental misperception. The 91st Annual meeting of the <i>Linguistic Society of America</i> , Austin, TX, USA. [Poster]
2016	M.M.C. DeMille, J.C. Frijters, <b>Kevin Tang</b> , Christopher Geissler, N.R. Powers, B.M. Bowen, A.K. Adams, D.T. Truong & J.R. Gruen. October, 2016. An investigation of the evolution and worldwide distribution of the READ1 element in DCDC2 and its contribution to language development. The 66th Annual Meeting of the <i>American Society of Human Genetics</i> , Vancouver, Canada. [Poster]
2015	<b>Kevin Tang</b> , Ye Tian, E-L. Schwabe, Jyrki Tuomainen & Judit Druks. January, 2015. Chinese abstract verbs and nouns electrified: behavioural and electrophysiological evidence for grammatical class difference at single word processing level. <i>Thirty-Third European Workshop on Cognitive Neuropsychology</i> , Bressanone, Italy. [Poster]
2014	<b>Kevin Tang</b> & Brent de Chene. July, 2014. A new corpus of colloquial Korean and its applications. <i>The 14th Conference on Laboratory Phonology</i> , Tachikawa, Tokyo, Japan. [Poster]
2013	<b>Kevin Tang</b> , Andrew Nevins & Michael Becker. January, 2013(b). Prosody drives alternations: evidence from a 61 million word corpus of Brazilian Portuguese. The 87th Annual Meeting of the <i>Linguistic Society of America</i> , Boston, Massachussetts, USA. [Poster]
INVITED TALKS	
2025	<b>Kevin Tang</b> . February, 2025(a). Using articulatory-informed neural network models to understand gradient phonetic variation in intoxication, neurological disorders, and second language acquisition. <i>Sound Workshop</i> , University of Massachusetts, USA.
2025	<b>Kevin Tang</b> . February, 2025(b). Using articulatory-informed neural network models to understand neurological disorders, intoxication, and second language accent. <i>Linguistics Monday Colloquia</i> , Yale University, USA.
2024	Lara Rüter, Julika Weber, Christopher Geissler & <b>Kevin Tang</b> . June, 2024. Interactive web-based review units for phonetics and phonology. ELFF Posterschau, E-Learning Förderfonds, Heinrich-Heine-University Düsseldorf pdf   materials

2024 **Kevin Tang.** May, 2024. Navigating human behavior in health and education through the lens of natural language. Seminar, The BEHAVE lab (https: //behavelab.org/) of the Department of Social and Political Sciences, the University of Milan Kevin Tang. June, 2024. Beyond "English": a process perspective on en-2024 hancing the linguistic responsiveness of culturally tailored cancer prevention interventions. Colloquium, the Institute for the History, Theory and Ethics of Medicine, Heinrich-Heine-University Düsseldorf 2023 Kevin Tang. July 2023. Computational models in Parkinson's disease research. 32 Tagung der Computerlinguistik-Studierenden (TaCoS) 2023 **Kevin Tang.** June, 2023. Quantifying articulatory precision and language complexity in parkinson's disease patients. Colloquium, the Institut für Klinische Neurowissenschaften und Medizinische Psychologie, Heinrich-Heine-University Düsseldorf 2023 **Kevin Tang.** Feb, 2023(a). Prosody leaks into the memories of words: evidence from 1,655 speakers and dynamic neural field theory. Forschungskolloquium, Phonetics, Institute of Linguistics, University of Cologne 2023 Kevin Tang. March, 2023. Prosody leaks into the memories of words. Shortlisted Job Talk, University of Erlangen-Nuremberg, Germany. 2023 Kevin Tang. Feb, 2023(b). Prosody leaks into the memories of words: evidence from 1,655 speakers and dynamic neural field theory. SFB 1102: Language Science Colloquium Series, Saarland University 2022 **Kevin Tang.** November, 2022. Reanimating African American oral histories of the Gulf South. Seminar series on Digital Humanities, The Education University of Hong Kong 2022 **Kevin Tang**. June, 2022(b). Sentence prosody leaks into the lexicon: evidence from Mandarin Chinese. Phonology Colloquium, Goethe-Universität Frankfurt 2022 Kevin Tang. June, 2022(a). Reanimating African American oral histories of the Gulf South. Lecture series on Information Science and Digital Humanities, Heinrich-Heine-University Düsseldorf. https://www.youtube.com/watch?v= yLus ODOXEk Kevin Tang. April, 2022. Quantifying articulatory precision with deep neural 2022 networks. Brown Bag Lunch, the Heine Center for Artificial Intelligence and Data Science, Heinrich-Heine-University Düsseldorf

2022 Kevin Tang. February, 2022(a). Computational linguistics in the age of the pandemics and AI: Covid as an accelerator of science and fairer speech technology. Digital Humanities Series, Heinrich-Heine-University Düsseldorf 2022 Kevin Tang. February, 2022(b). Race against the machine: how linguistics can mitigate racial disparities in healthcare and in technology. Keynote speech at Students' Conference 2022 – Master of Arts in Comparative Studies in English and American Language, Literature and Culture, Heinrich-Heine-University Düsseldorf 2021 Kevin Tang, Janice Krieger, Josh Martin & Donghee Lee. April, 2021. A sociolinguistic-enabled ALEX: precision health intervention for African Americans. Precision Public Health meeting (Host: Thomas A. Pearson) (https: //www.ctsi.ufl.edu/about/ctsi-programs/precision-health/), University of Florida, USA. 2021 **Kevin Tang.** March, 2021. Quantifying lenition: a preliminary study. Interdisciplinary Microsystems Group seminar series (https://www.img.ufl. edu/), University of Florida, USA. **Kevin Tang.** February, 2021. What's in a nonword? methodological chal-2021 lenges in nonword design and analyses. Seminar series "Typical and atypical language acquisition" at the Department of Linguistics, University of Potsdam, Germany. 2020 Raffaele Vacca & Kevin Tang. December, 2020. Covid-19, an accelerator of science: Evidence from convergence in collaboration and language. University of Florida Informatics Institute: COVID Seed Awardees Series, University of Florida, FL, USA. [Further info] 2020 Kevin Tang, Raffaele Vacca, Till Krenz & Thomas Smith. October, 2020. College of Liberal Arts and Sciences AI Workshop: Natural Language Processing. University of Florida, FL, USA. [Further info] 2020 **Kevin Tang.** October, 2020. Revealing mental representation with small and big data – a corpus-phonetic approach. Seminar at the SFI Centre for Research Training in Digitally-Enhanced Reality (D-REAL), Trinity College Dublin, Ireland. 2019 **Kevin Tang.** February, 2019(a). Predictability and mental representation: evidence from Mayan and Chinese. Shortlisted Job Talk, University of Florida, FL, USA. 2019 **Kevin Tang.** February, 2019(b). Predictability and mental representation:

sity, MI, USA.

evidence from Mayan and Chinese. Shortlisted Job Talk, Wayne State Univer-

2019 **Kevin Tang.** February, 2019(c). Predictability and mental representation: evidence from Mayan and Chinese. NOSH: New Observations in Speech and Hearing, Ludwig Maximilian University of Munich, Germany. 2018 Kevin Tang. July, 2018(a). Expectation shapes speech production and perception: psycholinguistics with 'small data'. CRC 1102, University of Saarland, Germany. 2018 Kevin Tang. July, 2018(b). Revealing the representation of phonemes through the lens of the probablistic reduction effect: psycholinguistics with "small data". SFB Colloquium, University of Düsseldorf, Germany. 2017 **Kevin Tang.** June, 2017. Experience and expectation predict fine details of perception and production. Shortlisted Job Talk, Zhejiang University, China. 2017 **Kevin Tang.** April, 2017. Experience and expectation predict fine details of perception and production. Shortlisted Job Talk, National Research University Higher School of Economics, Russia. 2017 Kevin Tang & Ryan Bennett. March, 2017. Expectation shapes speech perception in Kaqchikel Mayan: Psycholinguistics with "Small Data". Staff Talk, Haskins Laboratories, USA. 2017 **Kevin Tang.** March, 2017(a). Experience and expectation predict fine details of perception and production. Linguistics and Modern Language (LML) Seminar Series, The Education University of Hong Kong, China 2017 Kevin Tang. March, 2017(b). Experience and expectation predict fine details of perception and production. Linguistics Seminar Series, The Hong Kong Polytechnic University, China 2017 **Kevin Tang.** March, 2017(c). Experience and expectation predict fine details of perception and production. Linguistics Seminar Series, University of Hong Kong, China 2017 **Kevin Tang.** March, 2017(d). Experience and expectation predict fine details of perception and production. The Ling-Lang Lunch series, Brown University, USA. 2017 Kevin Tang. March, 2017(e). Pushing the lexicon to its limits. Shortlisted Job Talk, University of Essex, UK. 2016 **Kevin Tang.** December, 2016. What is your vision for research-led teaching in corpus linguistics at the undergraduate level? Shortlisted Job Talk, University College Dublin, Ireland.

2016	John Harris, Nicholas Neasom & <b>Kevin Tang</b> . May, 2016(b). Phonotactics with [awt] rules: the learnability of a simple, unnatural pattern in English. <i>Cambridge Linguistics Society</i> , University of Cambridge, UK.
2016	Lawrence Solan, Silvia Dahmen & <b>Kevin Tang</b> . March, 2016. Legal indeterminacy in the spoken word. <i>Linguistics Friday Lunch Time Talk</i> , Yale University, USA.
2015	Andrew Nevins & <b>Kevin Tang</b> . September, 2015. A graceful degradation account of lexical retrieval – evidence from naturalistic misperception. <i>Linguistics Monday Colloquia</i> , Yale University, USA.
2014	<b>Kevin Tang</b> , Sam Green & Stefanie Anyadi. November, 2014. The importance of peer-learning: a case study on PeerWise. Learning Technology & Innovation Show & Tell, London School of Economics and Political Science, London, UK.
2013	Sam Green & <b>Kevin Tang</b> . November, 2013. The importance of peer-learning: a case study on PeerWise. <i>The 1st Internet of Education conference</i> , Knowledge 4 All Foundation Ltd (K4A) and the Artificial Intelligence Lab, Jožef Stefan Institute. Ljubljana, Slovenia. [Video: https://goo.gl/jHlPvK]
2013	<b>Kevin Tang</b> & Sam Green. May, 2013. Implementing a peer learning tool at UCL – Peerwise. <i>UCL: Summits and Horizons</i> : Using technology to give better and faster feedback. University College London, London, UK.

# Teaching

#### Organised workshop

2023 Free and Open Source Software (FOSS) for everybody (co-led with Akhilesh

Kakolu Ramarao)

Heinrich-Heine-University Düsseldorf, Germany

Host: Campus der Ideen, Date: July 1st, 2022, 10-16:00 https://slam.phil.

hhu.de/libreslam/

#### INVITED WORKSHOP

2023 DGfS Tutorials: Computational Modelling for Linguists: Probing the mental

lexicon with spoken corpora (co-taught with Eoin O'Reilly)

University of Cologne, Germany

Host: Special Interest Group on Computational Linguistics (SIG CL) of the Deutsche Gesellschaft für Sprachwissenschaft, Date: March 7th, 2023, 11-18:00 https://dgfs2023.uni-koeln.de/programm/satellitenveranstaltungen/cl-tutorium

# HEINRICH-HEINE-UNIVERSITY DÜSSELDORF

For all the courses taught by my research group see: https://slam.phil.hhu.de/classes/

S25	Masters: Vocal Alchemy: Shaping Voices with Signal Processing (Graduate) –
	Interdisciplinary teaching with Prof. Dr. Esther Florin (Neurology) and Dr.
COF	Carter Williams (Music)
S25 S24, S25	Advanced: Python for Linguists (Undergraduate)  Masters: Colloquium (Introduction to Graduate Research) (Graduate)
S24, S25 S24, S25	Masters: Ethics and Natural Language Processing (Graduate)
S24, S25 S22, W22/23,	Masters: Quantitative Methods for Linguistic Data: An Introduction to Statis-
S22, W22/23, S24, S25	tics using $R$ (Graduate)
W24/25	Intermediate: Structure of English (Undergraduate)
W24/25 $W24/25$	Advanced: Laboratory Phonology (Undergraduate)
W23/24,	Masters: Language and Health (Graduate)
W24/25	Habitoto. Bangaage and Heatin (Gradaate)
W24/20 $W21/22$ ,	Advanced: Introduction to Corpus Phonetics (Undergraduate)
W22/23, S24	The wholes The The Theorem (Charles and Charles)
W22/23, 824 $W22/23,$	Advanced: Computational Modelling (Undergraduate)
W23/24	Throwneed. Companional Moderning (Charlestadade)
W25/21 $W21/22$ ,	Intermediate: Phonetics and Phonology (Undergraduate)
W22/23,	Theorimeanaich Thomestee and Thomestey (Chacigradade)
W23/24	
S22, W22/23	Basic: Master Comparative Studies (Graduate)
S22, *** 22/ 23	Methods: Programming for Linguists (Undergraduate)
S22	Advanced: Biased Language Technology in a Social World (Undergraduate)
W21/22, S22,	
W23/24, S24	guage Use) (Undergraduate)
$W21/22^{'}$	Advanced: Phonetic and Phonological Similarity (Graduate)
,	

## University of Florida

Spring 2021 Spring	Sounds of Human Language (Undergraduate) Introduction to Computational Linguistics (Undergraduate and Graduate)
2020,2021	Spring 2020's symposium; Spring 2021's symposium
Fall 2020	Introduction to Graduate Research (Graduate)
Fall 2019	Introduction to Phonology (Undergraduate)
Fall 2019	LIN6323 Phonology 1 (Graduate)

# ZHEJIANG UNIVERSITY

2019	Introduction to Laboratory Phonology (Graduate)
2018	Introduction to Phonetics and Phonology (Graduate)
2018, 2019	Introduction to Linguistics (Undergraduate)

# YALE UNIVERSITY

2017	Quantitative Linguistics using Corpora (Undergraduate and graduate)
2016	Topics in Phonology: The Phonetics-Phonology Interface (Undergraduate and
	graduate) (with Prof. Ryan Bennett)

# University College London

2014	Introduction to Statistics for Linguists using $R$ (Graduate) (Instructor)
2012, 2013	Introduction to Statistics for Linguists using R (Graduate) (Instructor with
	Dr. Ye Tian)

2011, 2012 Introduction to Phonetics and Phonology B (Undergraduate and graduate)

Teaching Assistant (Instructor: Prof. Andrew Nevins.)

2011, 2012 Introduction to Phonetics and Phonology A (Undergraduate and graduate)

Teaching Assistant (Instructor: Prof. Andrew Nevins.)

#### Invited guest lectures

2022 Introduction to Speech Perception

Heinrich-Heine-University Düsseldorf, Germany

Course: "I'll never leave your pizza burning' - The phonetics and phonology of misheard song lyrics" (Undergraduate), Host: Dr. Jessica Nieder, Date:

September 30th 2022

2017 Slips of the Ear as a Window into Grammar

Brown University, USA

Course: CLPS 0050M (Undergraduate), Host: Prof. Scott AnderBois, Date:

March 8th 2017

2017 Sufficient Data, Not 'Big' Data – A case of using 'Small' Data to Model the

Production and Perception of Kaqchikel Mayan Aristotle University of Thessaloniki, Greece

Course: Computational Linguistics (Graduate), Host: Prof. Alexandros Tan-

tos, Date: June 2nd 2016

# Advising

# SELECTED SUCCESSES OF MENTEES

2025	Winner of the 2024 Joshua A. Fishman Award Dr. Joshua L. Martin, Automatic Speech Recognition Systems, Spoken Corpora, and African American Language: An Examination of Linguistic Bias and Morphosyntactic Features (University of Florida). The dissertation award is to recognize early-career scholars in the sociology of language.
2024	Rayyan Merchant (B.A. in Computer Science and Linguistics, University of Florida) selected to the Congress-Bundestag Youth Exchange for Young Professionals (CBYX) programme – a fellowship that annually provides 75 American and 75 German young professionals the opportunity to spend one year in each other's countries, studying, interning, and living with hosts on a cultural immersion program.
2023	Sophia Vellozzi (B.A. in Computer and Information and Engineering, University of Florida) received the UF undergraduate AI Research Scholarship and co-authored two journal articles and three proceeding papers. Now: Software engineering at LinkedIn
2023	The LINGUIST list's Rising Stars awarded to Anna Sophia Stein (M.A. in Linguistics, Heinrich-Heine-University Düsseldorf); Anh Kim Nguyen (M.A. in Linguistics, Heinrich-Heine-University Düsseldorf) and Rayyan Merchant (B.A. in Computer Science and Linguistics, University of Florida)
2023	Poster prize (€500) of the Highlights Digital 2023 der Deutschen Gesellschaft für Parkinson und Bewegungsstörungen e.V. awarded to Seyedeh Zahra Mirkhaef (M.A. in Comparative Studies in English and American Language, Literature, and Culture, Heinrich-Heine-University Düsseldorf)

## MENTORSHIP PROGRAMMES

2022 – Present	Female early career researchers – SelmaMeyerMentoring at Heinrich-Heine-
	University - https://www.mentoring.hhu.de/
2019 – Present	Undergraduate researchers – Center for Undergraduate Research at
	the University of Florida - https://cur.aa.ufl.edu/2020/10/13/
	kevin-tang-phd-ma-meng/

## PH.D. EXAMINER

2025	Viktoria Schneider (Heinrich-Heine-University Düsseldorf)
2024	Ghattas Eid (Heinrich-Heine-University Düsseldorf)
2022	Simon Stein (Heinrich-Heine-University Düsseldorf)
2022	Aviad Albert (University of Cologne)

# HEINRICH-HEINE-UNIVERSITY DÜSSELDORF: POSTDOCTORAL ADVISOR

Aug. 2023 – Dr. Dana Serditova (Ph.D., University of Freiburg). Present

Sept. 2021 – Dr. Christopher Geissler (Ph.D., Yale University). Currently Visiting Assis-Sept. 2023 – tant Professor in Linguistics at Carleton College, USA

#### Heinrich-Heine-University Düsseldorf: Graduate: Ph.D. advisor

May 2025 – Linde Trenkel

Jan. 2025 – Akhilesh Kakolu Ramarao

April 2023 – Hamid Mojarrad (DAAD scholar, German Academic Exchange Service)

Oct. 2022 – Dec. Eoin O'Reilly (Career transition: software engineering in industry)

2023

## Heinrich-Heine-University Düsseldorf: Graduate: Bachelor/Master advisor

April 2025 – Hiam Sarsar The Power of Words Constructing Realities about Immigrants in July 2025 – EU Political Discourse (B.A. in Anglistik, HHU)

Submitted on time. Completed (Co-advised with Prof. i. R. Dr. Dieter Stein,

HHU)

December 2024 Andre Oppenheimer Topic-based sentiment analysis of African American Oral

- April 2025 History Interviews (B.A. in Anglistik, HHU)

Submitted on time. Completed (Co-advised with David Arps, HHU)

December 2024 Dmitry Gromadsky Investigating Linguistic Coherence and Body Movement
- May 2025 Synchrony in Collaborative Dialogue (M.A. in Comparative Studies in English

and American Language, Literature and Culture, HHU)

Submitted on time. Completed (Co-advised with Dr. Juha Lahnakoski, LVR)

January 2025 – Anh Kim Nguyen Misperception of spoken words: The case of Mandarin Chi-June 2025 — nese (M.A. in Linguistics, HHU)

Submitted on time. Completed

 ${\bf August \ \ 2023 \ - \ Nastassia \ Braun \ \it Automatic \ Speech \ Recognition \ systems \ and \ \it African \ \it American \ \ \it American \ \it Americ$ 

November 2023 English - An investigation of linguistic biases towards features associated with

African American English (B.A. in Anglistik, HHU) Submitted on time. Completed

March 2023 – Maximilian Sattler How Does Credibility Sound? Investigation on Voice Tim-

July 2023 bre Semantics (B.Eng. in Ton und Bild, Hochschule Düsseldorf)

Submitted on time. Completed. (Co-advised with Prof. Dr. Jochen Steffens,

Hochschule Düsseldorf)

Summer 2022 – Anna Sophia Stein Probabilistic reduction and the mental lexicon (B.A. in

March 2023 Linguistics, HHU)

Submitted on time. Completed (Co-advised with Dr. Christopher Geissler,

HHU)

Summer 2022 – Seyedeh Zahra Mirkhaef Language Production in Parkinson's Disease: Mea-

November 2023 suring Syntactic Complexity and Phonetic Variations (M.A. in Comparative Studies in English and American Language, Literature, and Culture, HHU)

Submitted on time. Completed (Co-advised with Prof. Biermann-Ruben,

HHU)

#### University of Florida: Graduate: Ph.D. committees

Fall 2021 – Rachel Meyer, Dept. of Linguistics.

Fall 2021 – April Alexis Davis, Dept. of Linguistics. Black Mecha(linguistics): Addressing an-

2025 tiBlackness in automated speech recognition systems

Submitted on time. Completed.

Spring 2020 – Tristan Czarnecki-Verner, Dept. of Linguistics. Neural oscillations and neural spring 2022 entrainment in speech processing; can rhythmic entrainment overcome prior

language experience?

Submitted on time. Completed. Now at Adam Mickiewicz University, Post-

doctoral researcher

Fall 2019 – Joshua Martin, Dept. of Linguistics. Automatic Speech Recognition Systems,

Spring 2022 Spoken Corpora, and African American Language: An Examination of Lin-

guistic Bias and Morphosyntactic Features

Submitted on time. Completed. Now at University of Florida, Instructional

Designer

## University of Florida: Undergraduate Senior Projects/Senior theses

Fall 2023 Role: Advisor. Rayyan Merchant. A Grapheme-to-Phoneme Approach to

Tajik-Farsi Transliteration

Submitted on time

Spring 2021 Role: Advisor. Halee Corbin, Gianfranco Cortes, Simon Frank, Isaiah Linares

and Sagar Patel. Computer Science (CSC) – 4914 Senior Design – AlphaMask:

Face Mask Object Detection in Live Video Feed [Project page]

Submitted on time

Summer 2020 Role: Grader. Hae Won Kim. Bias in Speech Perception (Advisor: Dr. Ratree

Wayland)

Submitted on time

#### University of Florida: Undergraduate research projects

Past students Rayyan Merchant (Fall 2019-2025), Tejasvi Dudipalla (Summer 2022-2024),

Sophia Vellozzi (Spring 2021-2025), Haotian Wang (Spring 2021-Spring 2022), Michelle Moyé (Spring 2020-Fall 2021), Ryan Aponte (Fall 2019-Spring 2021), Nancy Chen (Fall 2019-Summer 2022), Robin Fintz (Spring 2020-Spring 2022), Harrison Santiago (Fall 2020-Summer 2022), Alex Diep (Fall 2020-Summer 2021), Miranda Ingram (Fall 2020-Spring 2021), Andrew Penton (Spring 2020-Fall 2020), Natalie Furlow (Fall 2019-Fall 2020), Grace Tovkach (Fall 2019-

Spring 2020), Alexandra Kcomt (Fall 2019)

## Zhejiang University: B.A./M.A. advisor

2017–2019 M.A. Dissertations: Qi Xin. Modelling the nativeness and intelligibility of

Mandarin-accented English pronunciation

Submitted on time

2018–2020 Undergraduate research projects: Gong Kaixuan, Yang Jingyi and Du Sixian.

Behavioural databases for phonological research

## YALE UNIVERSITY: GRADUATE STUDENTS: QUALIFYING PAPERS

2015–2017 Luke Lindemann Phonological Variation Throughout Texas German: s/f al-

ternation

Submitted on time

Martin Fuchs Syllable weight and antepenultimate stress in Spanish: experi-

mental evidence and phonotactic learning models

Submitted on time

#### University College London: Masters Students: M.A. dissertations

2013	Carly Morris, The Effect of Alcohol on Consonant Cluster Reduction
	Distinction and submitted on time (Co-advising with Prof. John Harris)
2013	Mike Hindley, A Study into the Effect of Alcohol on L2: Germans Speaking
	English
	Distinction and submitted on time (Co-advising with Prof. Andrew Nevins)
2013	Ji Hye Kwon, The Effect of Alcohol on the L2 Vowels of Korean L1 Speakers
	Distinction and submitted on time (Co-advising with Prof. Andrew Nevins)
2013	Yan Lou, Mandarin Chinese Speech Perception in Noise
	Distinction and submitted on time (Co-advising with Prof. Andrew Nevins)
2013	Yuen Lam, Slips of the Ear in Mandarin Chinese
	Pass and submitted on time (Co-advising with Prof. Andrew Nevins)

## Service to the field

#### Grant reviewing

Ad hoc National Science Foundation (USA) - 2 grant

Article Reviewing – See my peer reviewer's profile at Web of Science: IVV-5728-2023

Ad hoc 19 journals

Frontiers in Artificial Intelligence (4), Proceedings of the National Academy of Sciences of the United States of America (1), Computer Surveys (1), Memory and Cognition (1), Humanities and Social Sciences Communications (1), Laboratory Phonology (1), Glossa: a journal of general linguistics (1), The Mental Lexicon (1), Journal of the Acoustical Society of America (1), Sensors (1), Field Methods (1), PLOS One (3), Manual of Romance Forensic Linguistics (1), Linguistics Vanguard (2), Journal of Fluency Disorders (4), Lingua (1, pre-Glossa), Language and Speech (2), Muitas Vozes (1), Genes (1)

#### Abstract/paper reviewing for conferences

2025	Young Female Researchers in Speech Workshop 2025 (YFRSW)
2025	Association for Computational Linguistics Rolling Review
2023	Young Female Researchers in Speech Workshop 2023 (YFRSW)
2020	Annual Meeting on Phonology 2020, University of California Santa Cruz, USA,
	September 2020

2020	Interspeech 2020, Shanghai, China, October 2020
2019	Interspeech 2019, Graz, Austra, September 2019
2018	Interspeech 2018, Hyderabad, India, September 2018
2017	$92^{nd}$ Annual Meeting of the Linguistic Society of America, Salt Lake City,
	USA, January 2018
2017	Interspeech 2017, Stockholm, Sweden, August 2017
2017	ICASSP, The 42nd IEEE International Conference on Acoustics, Speech and
	Signal Processing, New Orleans, USA, March 2017
2016	Interspeech, San Francisco, USA, September 2016
2016, 2018	Conference of the Student Organisation of Linguistics in Europe, York, UK
2013, 2015	University College London Graduate Conference in Linguistics, London, UK

# CONFERENCE ORGANISER

2020 Florida Linguistics Yearly Meeting 2020: Co-organiser with Ratree Wayland

# EDITORIAL BOARD/COMMITTEE MEMBER

2022	Interspeech 2022 satellite event – Cross-linguistic effects of information theo-
	retic factors in interactive communication (CLITIC)
2020-present	International Editorial Board for Revista Uniletras
2019	International Conference on Humanities and Social Science Research

## ARTICLE EDITING

2013 University College London Working Papers in Linguistics, Volume 25

# University service

June 2025	Kevin Tang. 2025a. Adjudicator, Inter-School Debate 2025. https://www.international-library.de/education/. Served as an adjudicator for the Inter-School Debate 2025 organized by the International English Library
June 2025 –	Reviewing for Strategic Research Fund (https://www.forschung.hhu.de/en/research-funding-and-services/support-for-applicants/the-strategic-research-fund)
October 2024 –	Head of Study Programme (Studiengangsleitung), Bachelor of Arts English and American Studies, Institute of English and American Studies, Heinrich-Heine-Universität Düsseldorf (https://www.anglistik.hhu.de/studium-bachelor-of-arts)
March 2024 –	Taskforce member of the Heine-Jahr pre-study programme, Faculty of Arts and Humanities, Heinrich-Heine-Universität Düsseldorf
October 2022 – September 2024	Chair (Geschäftsführer) of the Institute of English and American Studies, Heinrich-Heine-Universität Düsseldorf
Spring 2021 – Spring 2021 Fall 2020	Member of the University of Florida Health Cancer Center.  Member of Job Search Committee (an AI Initiative position at Linguistics), University of Florida Reviewer for 2021 Research Opportunity Seed Fund for the College of Liberal Arts and Sciences, University of Florida.  Chair of Visition Scholars Committee University of Florida
2019–2021 2019	Chair of Visiting Scholars Committee, University of Florida Organiser (with Ratree Wayland), Florida Linguistics Yearly Meeting (FLYM 2019)
2018–2019 2011–2015	Co-director (with Matthew Reeve), Ling-Lunch, Zhejiang University Organiser, Laboratory for Language and Speech Diversions, Director: Prof. Andrew Nevins, University College London
2013–2014	Organiser (with Nicholas Neasom), Phonology Reading Group, University College London
2011-2012	Student academic representative, M.Phil/Ph.D. in Linguistics, University College London

# Professional affiliations

2025–Present	Fellow of the Young Academy of Europe
2024–Present	Member, German Society for Computational Linguistics & Language Technol-
	ogy – Gesellschaft für Sprachtechnologie und Computerlinguistik e.V.
2024–Present	Member, Association for Diversity in Linguistics – Diversität in der Linguistik
	e.V.
2024–Present	Member, International Association of Language and Social Psychology
	(IALSP)
2023–Present	Member, Anglistenverband
2022–Present	Member, The German linguistic society and its Computational Linguistics
	section – Deutsche Gesellschaft für Sprachwissenschaft (DGfS)

2022-Present Associate Member, Acoustical Society of America (ASA) 2014-Present Member, Association for Laboratory Phonology (LabPhon)

2013-Present Member, Linguistic Society of America (LSA) 2021-Present Member, Societas Linguistica Europaea (SLE)

2021–Present Member, Deutscher Hochschulverband

## Technical and language skills

#### EXPERIMENTAL-COMPUTATIONAL SKILLS

PROGRAMMING Python & Matlab DATA MANAGEMENT Git. OSF. io

Data Collection Psychopy, jspsych & Qualtrics/Prolific/Gorilla/Amazon Me-

chanical Turk

Data analysis Julia, R Statistical Software, Praat, Parselmouth Document LaTeX, Markdown & {Microsoft, Open} Office

OS Unix/Linux(Terminal) & Windows

#### LANGUAGES

English Fluent

Cantonese Advanced Heritage

Mandarin Advanced Courses at Cambridge University Engineering Language Depart-

Chinese ment, 2006–2008.

German Intermediate B.2.2 (in progress). Obtained B1 TELC certificate (Grade:

Gut).

Modern Beginner Level 2/5 course at University of Cyprus. July–Aug 2009.

Greek

Spanish Beginner A1 course at El Instituto Salmantino de Lenguas Aplicadas,

Spain, Aug-Sep 2007.

#### Industry employment

Sep-Dec 2013 Altitude Education Ltd, London, UK – E-Learning

Position: Linguistic consultant (Part-time)

DESCRIPTION: Examined and restructured the English phonics encoding for

the *Pippop* phonics course app Manager: Alexander Thompson

2005–2006 Oxford Danfysik (now FMB Oxford), Oxford, UK – Specialist in synchrotron

components.

Position: Year In Industry Student (Full-time)

DESCRIPTION: Co-founded a project for automatic testing of novel high resolution X-ray optics using Matlab, which subsequently reached finals of the IET Innovation Awards 2009. This software enables unattended motion testing of synchrotron components which allows 70% of the company's testing to

be automated and gives an approximate annual saving of £20,000.

MENTOR: Dr. Alexander Babkevich