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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 September 14, 2025

## Academic employment

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|---|---|
| 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 Phonetics/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

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| 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')

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| 2023 | Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany<br>Department of English, American and Romance Studies, Institute of English and American Studies<br>Position: W3 (Tenured) University Professor in Digital Linguistics specializing in Big Data |
| 2021 | Heinrich-Heine-University Düsseldorf, Germany<br>Department of English Language and Linguistics, Institute of English and American Studies<br>Position: W2 (Tenured) University Professor in English Linguistics with specialisations in Phonetics/Phonology/Morphology |

# Leadership position

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| 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 – September 2024 | Chair (Geschäftsführer) of Institute of English and American Studies, Heinrich-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

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| 2011–2015 | University College London, London, United Kingdom<br>Ph.D. in Linguistics, October 2015<br>THESIS: *Naturalistic Speech Misperception*<br>ADVISORS: Andrew Nevins (Primary) & Stuart Rosen (Secondary)<br>VIVA COMMITTEE: John Harris (Internal) & Bert Vaux (External) |
| 2010–2011 | University College London, London, United Kingdom<br>M.A. in Linguistics, November 2011<br>DISSERTATION: *Phonetic trends in slips of the ear*<br>CLASS: Distinction (Dissertation and all modules) |
| 2009–2010 | University of Cambridge (Churchill College), Cambridge, United Kingdom<br>M.Eng. in Engineering, June 2010<br>CLASS: Honours Pass (Dissertation: Merit; Modules: Honours Pass) |
| 2006–2009 | University of Cambridge (Churchill College), Cambridge, United Kingdom<br>B.A. in Engineering, June 2010<br>CLASS: 2.i. |

# Professional training

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| 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 | 🗣 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 📦 will include the data and the analysis scripts.]

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|---|---|
| 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 \| 🔖 bib] |
| 2025 | Ratree Wayland, Rachel Meyer, Sophia Vellozzi & **Kevin Tang**. 2025. Individual differences in language acquisition: the impact of study abroad on native English speakers learning Spanish. *Speech Communication* 174. 103301. http://dx.doi.org/10.1016/j.specom.2025.103301 [Corresponding author: KT; Student Author: RM, SV] |
| 2025 | Matthew F. Simmons, Anna Hamilton, Alexis Davis, William Dyer, Christina Jean Philippe, Jessica Heady, Adolfho Romero, Rebekah Anne Cordova, Deborah Hendrix, Paul Ortiz, Pryce Houck, **Kevin Tang** & Sarah Moeller. 2025. A meeting of two worlds—oral history and linguistics: partnerships, perplexities, and potentialities in researching African American language. *The Oral History Review* 0(0). 1–26. http://dx.doi.org/10.1080/00940798.2025.2536129 [Student Authors: AD, CJP, JH, AR, PH; Senior Authors: SM and KT] [🅿 pdf \| 🔖 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] [🅿 pdf \| 🔖 bib \| 🧪 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 \| 🔖 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 \| 🔖 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 \| 🔖 bib] |

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 | 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 | 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 | 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 | 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 | 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 **F**luency **I**n **S**chool **T**eam 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 & 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 | 🗨 bib | 📑 materials]
(Part of the **F**luency **I**n **S**chool **T**eam 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 | 🗨 bib | 📑 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 | 🗨 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 | 🗨 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 | 🗨 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™ Research Reports. SAE International. 24 pp. `https://www.sae.org/publications/technical-papers/content/epr2020025/` [KT is part of the EDGE Development Team] [📄 pdf | 🗨 bib]

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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 | 🗨 bib | 🔖 materials]
(Part of the **F**luency **I**n **S**chool **T**eam 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 | 🗨 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]

2018      Mellissa M. C. DeMille, **Kevin Tang**, Chintan M. Mehta, Christopher 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 word-finding 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 | 🗨 bib | 🔖 materials]

(Part of the **F**luency **I**n **S**chool **T**eam project: `www.fistproject.org`)

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|---|---|
| 2015 | Andrew Nevins, Cilene Rodrigues & **Kevin Tang**. 2015. The rise and fall of the L-shaped morpheme: 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 \| 🗨 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] |
| 2025 | Dana Serditova, **Kevin Tang** & Jochen Steffens. 2025. Automatic speech recognition biases in Newcastle English: an error analysis. In *Proc. Interspeech 2025*, 3204–3208. ISCA. `http://dx.doi.org/10.21437/Interspeech.2025-1973` [⬇ pdf \| 🗨 bib \| ⬇ materials] |
| 2025 | Anna Sophia Stein & **Kevin Tang**. 2025. Modeling probabilistic reduction using information theory and Naive Discriminative Learning. In *Proc. Interspeech 2025*, 330–334. `http://dx.doi.org/10.21437/Interspeech.2025-2246` [Student Author: AS] [⬇ pdf \| 🗨 bib \| ⬇ materials] |
| 2025 | Hamid Mojarad & **Kevin Tang**. 2025. Automatic speech recognition of African American English: lexical and contextual effects. In *Proc. Interspeech 2025*, 3883–3887. ISCA. `http://dx.doi.org/10.21437/Interspeech.2025-1511` [Student Author: HM] [⬇ pdf \| 🗨 bib \| ⬇ 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. `http://dx.doi.org/10.18653/v1/2025.findings-acl.230` [Student Author: AKR] [Senior author: KT] [⬇ pdf \| 🗨 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. `http://dx.doi.org/10.18653/v1/2025.findings-naacl.280` [Student Author: LR] [Senior author: KT] [⬇ pdf \| 🗨 bib \| ⬇ 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. http://dx.doi.org/10.18653/v1/2025.findings-naacl.431 [Student Authors: RP, AR, PH, JG] [Senior authors: SM, KT] [🗎 pdf | ❞ bib | 🗄 materials]

2024      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 | ❞ bib | 🗄 materials]

2024      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. http://dx.doi.org/10.1121/2.0001913 [Student Author: RM, SV, RS] [🗎 pdf | ❞ bib]

2024      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]

2024      Rayyan Merchant & **Kevin Tang**. 2024a. ParsText: a digraphic corpus for Tajik-Farsi transliteration. In Kyle Gorman, Emily Prud'hommeaux, Brian Roark & Richard Sproat (eds.), *Proceedings of the Second Workshop on Computation and Written Language (CAWL) @ LREC-COLING 2024*, 1–7. Torino, Italia: ELRA & ICCL. https://aclanthology.org/2024.cawl-1.1 [Student Author: RM] [🗎 pdf | ❞ bib | 🗄 materials]

2024      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.lrec-main.909 [Student Authors: WP, AR, JG, BD, Senior authors: KT and SM] [🗎 pdf | ❞ bib | 🗄 materials]

2023      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 | ❞ bib | 🗎 data | 🗎 analyses]

2023      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 Volín (eds.), *Proceedings of the 20th International Congress of Phonetic Sciences, Prague 2023*, 863–867. Guarant International [Student Authors: SV, FQ, RS] [⬇ pdf | ❞ bib]

2023      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 Volín (eds.), *Proceedings of the 20th International Congress of Phonetic Sciences, Prague 2023*, 1182–1186. Guarant International [⬇ pdf | ❞ bib | 🗎 materials]

2023      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 | ❞ bib]

2023      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. `http://dx.doi.org/10.18653/v1/2023.sigmorphon-1.16` [⬇ pdf | ❞ bib | 🗎 materials]

2022      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 | ❞ bib | 🗎 materials]

2022      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 | ❞ bib]

2022    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 | 🔖 bib]

2022    Harrison Santiago, Joshua Martin, Sarah Moeller & **Kevin Tang**. 2022. Disambiguation of morpho-syntactic features of African American English – the case of habitual be. In *Proceedings of the second workshop on language technology for equality, diversity and inclusion*, 70–75. Dublin, Ireland: Association for Computational Linguistics. http://dx.doi.org/10.18653/v1/2022.ltedi-1.9. https://aclanthology.org/2022.ltedi-1.9 [Student Authors: HS, JM] [Senior author] [📄 pdf | 🔖 bib | 📦 materials]

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 | 🔖 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 | 🔖 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 | 🔖 bib | 📦 materials]

(Part of the **F**luency **I**n **S**chool **T**eam 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 | 🗨 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 Wayland, 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 Linguistics* 25. 289–308 [⬇ pdf | 🗨 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 | 🗨 bib]

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

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

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| 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

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| 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 parkinsonism |
| 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 homophonic 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

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| 2015 | **Kevin Tang**. 2015. *Naturalistic speech misperception.* University College London dissertation [⤓ pdf \| ❞ bib] <br> This thesis yielded a new corpus containing ≈ 5,000 instances of naturally occurring misperception of conversational English. Please see the SEAR (**S**lips 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)

2024      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]

2023      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: ⓒⓘⓢⓞ]

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

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 Linguistics* 24. 208–214. http://dx.doi.org/10.17605/OSF.IO/VB5YP

# Grants and awards

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". Co-applicant: Dr. Hannah Pardey [Further info]

2025      Teaching Nomination. **Nominierungen für den Lehrpreis 2025**. 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. **Nominierungen für den Lehrpreis 2024**. 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. **Nominierungen für den Lehrpreis 2022**. 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. **20 × NVIDIA® Jetson™ Nano Developer Kits**. 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]

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). "**S**mart **E**lectropalatography for **L**inguistic and **M**edical **A**pplications (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

## While at Yale (Post-doc)

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| 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)

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| 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)

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| 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. https://www.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

2025      **Kevin Tang**. May, 2025. A slip 'twixt the pint and the tongue: the link between alcohol and speech. *Pint of Science, Düsseldorf, Germany.* https://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 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/

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? *Quartz*. https://qz.com/1264305/can-genes-change-the-way-languages-evolve/

NEWSPAPER ARTICLES

2020      **Kevin Tang**. 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 'arternância': variação dos sons da fala. *Diário da Região*. 28 Feburary 2015, 4C–4C [Article: https://goo.gl/QT6WKQ]

# Presentations

PEER-REVIEWED TALKS

2024      Akhilesh Kakolu Ramarao, **Kevin Tang** & Dinah Baer-Henney. N.d. A computational approach to understanding the cognitive reality of morphomic patterns: the case of L-shaped morphemes 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, **Kevin Tang**, 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      Fenqi Wang, Delin Deng, Qingcheng Zeng, Ratree Wayland & **Kevin Tang**. 2021. A corpus study of the production of syllable-initial /l/ and /n/ in Gan-accented 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

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| 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 Kaqchikel (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 Linguistics 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] |

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| 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*, University of Manchester, UK. |

## PEER-REVIEWED POSTERS

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| 2025 | 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. |

2025     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.

2025     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]

2024     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]

2024     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]

2024     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]

2023     **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]

2023     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

2023     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

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)

2023      Rayyan Merchant & **Kevin Tang**. 2023b. Translating through transliteration: 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. 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 Oncology (ASPO)*, Tucson, AZ.

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]

2021          Fenqi Wang, **Kevin Tang** & Jun Lyu. 2021. The effect of pitch accent on the 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          **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 | Hope Stevens Bronwen Evans & **Kevin Tang**. (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. |
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| 2018 | **Kevin Tang** & Faruk Akkus. May, 2018. OCP effects in Turkish partial reduplication: locality and feature specificity. *26th Manchester Phonology Meeting*, University of Manchester, UK. |
| 2017 | **Kevin Tang** & Andrew Nevins. January, 2017. Expectation and lexical retrieval in naturalistic and experimental misperception. The 91st Annual meeting of the *Linguistic Society of America*, Austin, TX, USA. [Poster] |
| 2016 | M.M.C. DeMille, J.C. Frijters, **Kevin Tang**, 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 *American Society of Human Genetics*, Vancouver, Canada. [Poster] |
| 2015 | **Kevin Tang**, 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. *Thirty-Third European Workshop on Cognitive Neuropsychology*, Bressanone, Italy. [Poster] |
| 2014 | **Kevin Tang** & Brent de Chene. July, 2014. A new corpus of colloquial Korean and its applications. *The 14th Conference on Laboratory Phonology*, Tachikawa, Tokyo, Japan. [Poster] |
| 2013 | **Kevin Tang**, 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 *Linguistic Society of America*, Boston, Massachussetts, USA. [Poster] |

### Invited talks

| 2025 | **Kevin Tang**. July, 2025. *Speaking Minds: Detecting Neurological Disorders through Language*. Member Talk Series, Young Academy of Europe. Role: Discussant. Speaker: Georgios Georgiou. Other Discussants: Valantis Fyndanis, Ioana Podina. https://yacadeuro.org/member-talk-series-3-july-2025-13-14-cet/ |
|---|---|
| 2025 | **Kevin Tang**. February, 2025(a). Using articulatory-informed neural network models to understand gradient phonetic variation in intoxication, neurological disorders, and second language acquisition. *Sound Workshop*, University of Massachusetts, USA. |

| 2025 | **Kevin Tang**. February, 2025(b). Using articulatory-informed neural network models to understand neurological disorders, intoxication, and second language accent. *Linguistics Monday Colloquia*, Yale University, USA. |
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| 2024 | Lara Rüter, Julika Weber, Christopher Geissler & **Kevin Tang**. June, 2024. Interactive web-based review units for phonetics and phonology. ELFF Poster-schau, 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 |
| 2024 | **Kevin Tang**. June, 2024. Beyond "English": a process perspective on enhancing 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`

2022      **Kevin Tang**. April, 2022. Quantifying articulatory precision with deep neural networks. Brown Bag Lunch,the Heine Center for Artificial Intelligence and Data Science, Heinrich-Heine-University Düsseldorf

2022      **Kevin Tang**. Feburary, 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**. Feburary, 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.

2021      **Kevin Tang**. February, 2021. What's in a nonword? methodological challenges 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.

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| 2019 | **Kevin Tang**. Feburary, 2019(a). Predictability and mental representation: evidence from Mayan and Chinese. *Shortlisted Job Talk*, University of Florida, FL, USA. |
| 2019 | **Kevin Tang**. Feburary, 2019(b). Predictability and mental representation: evidence from Mayan and Chinese. *Shortlisted Job Talk*, Wayne State University, MI, USA. |
| 2019 | **Kevin Tang**. Feburary, 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 & **Kevin Tang**. May, 2016(b). Phonotactics with [awt] rules: the learnability of a simple, unnatural pattern in English. *Cambridge Linguistics Society*, University of Cambridge, UK.

2016      Lawrence Solan, Silvia Dahmen & **Kevin Tang**. March, 2016. Legal indeterminacy in the spoken word. *Linguistics Friday Lunch Time Talk*, Yale University, USA.

2015      Andrew Nevins & **Kevin Tang**. September, 2015. A graceful degradation account of lexical retrieval – evidence from naturalistic misperception. *Linguistics Monday Colloquia*, Yale University, USA.

2014      **Kevin Tang**, 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 & **Kevin Tang**. November, 2013. The importance of peer-learning: a case study on PeerWise. *The 1st Internet of Education conference*, Knowledge 4 All Foundation Ltd (K4A) and the Artificial Intelligence Lab, Jožef Stefan Institute. Ljubljana, Slovenia. [Video: https://goo.gl/jHlPvK]

2013      **Kevin Tang** & Sam Green. May, 2013. Implementing a peer learning tool at UCL – Peerwise. *UCL: Summits and Horizons*: 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/

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|---|---|
| S25 | *Masters: Vocal Alchemy: Shaping Voices with Signal Processing* (Graduate) – Interdisciplinary teaching with Prof. Dr. Esther Florin (Neurology) and Dr. Carter Williams (Music) |
| S25 | *Advanced: Python for Linguists* (Undergraduate) |
| S24, S25 | *Masters: Colloquium (Introduction to Graduate Research)* (Graduate) |
| S24, S25 | *Masters: Ethics and Natural Language Processing* (Graduate) |
| S22, W22/23, S24, S25 | *Masters: Quantitative Methods for Linguistic Data: An Introduction to Statistics using R* (Graduate) |
| W24/25 | *Intermediate: Structure of English* (Undergraduate) |
| W24/25 | *Advanced: Laboratory Phonology* (Undergraduate) |
| W23/24, W24/25 | *Masters: Language and Health* (Graduate) |
| W21/22, W22/23, S24 | *Advanced: Introduction to Corpus Phonetics* (Undergraduate) |
| W22/23, W23/24 | *Advanced: Computational Modelling* (Undergraduate) |
| W21/22, W22/23, W23/24 | *Intermediate: Phonetics and Phonology* (Undergraduate) |
| S22, W22/23 | *Basic: Master Comparative Studies* (Graduate) |
| S22 | *Methods: Programming for Linguists* (Undergraduate) |
| S22 | *Advanced: Biased Language Technology in a Social World* (Undergraduate) |
| W21/22, S22, W23/24, S24 | *Basic: Introduction to Linguistics (Part I: Language Structure) (Part II: Language Use)* (Undergraduate) |
| W21/22 | *Advanced: Phonetic and Phonological Similarity* (Graduate) |

## University of Florida

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| Spring 2021 | *Sounds of Human Language* (Undergraduate) |
| Spring 2020,2021 | *Introduction to Computational Linguistics* (Undergraduate and Graduate) 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

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

## Yale University

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| 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

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|---|---|
| 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

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| 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 Tantos, Date: June 2nd 2016 |

# Advising

SELECTED SUCCESSES OF MENTEES

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|---|---|
| 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

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|---|---|
| 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

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| 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

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

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

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

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|---|---|
| May 2025 – | Linde Trenkel |
| Jan. 2025 – | Akhilesh Kakolu Ramarao |
| April 2023 – | Hamid Mojarrad (DAAD scholar, German Academic Exchange Service) |
| Oct. 2022 – Dec. 2023 | Eoin O'Reilly (Career transition: software engineering in industry) |

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

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|---|---|
| April 2025 – July 2025 | Hiam Sarsar *The Power of Words Constructing Realities about Immigrants in EU Political Discourse* (B.A. in Anglistik, HHU) Submitted on time. Completed (Co-advised with Prof. i. R. Dr. Dieter Stein, HHU) |
| December 2024 – April 2025 | Andre Oppenheimer *Topic-based sentiment analysis of African American Oral History Interviews* (B.A. in Anglistik, HHU) Submitted on time. Completed (Co-advised with David Arps, HHU) |
| December 2024 – May 2025 | Dmitry Gromadsky *Investigating Linguistic Coherence and Body Movement 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 – June 2025 | Anh Kim Nguyen *Misperception of spoken words: The case of Mandarin Chinese* (M.A. in Linguistics, HHU) Submitted on time. Completed |
| August 2023 – November 2023 | Nastassia Braun *Automatic Speech Recognition systems and African American English - An investigation of linguistic biases towards features associated with African American English* (B.A. in Anglistik, HHU) Submitted on time. Completed |
| March 2023 – July 2023 | Maximilian Sattler *How Does Credibility Sound? Investigation on Voice Timbre Semantics* (B.Eng. in Ton und Bild, Hochschule Düsseldorf) Submitted on time. Completed. (Co-advised with Prof. Dr. Jochen Steffens, Hochschule Düsseldorf) |
| Summer 2022 – March 2023 | Anna Sophia Stein *Probabilistic reduction and the mental lexicon* (B.A. in Linguistics, HHU) Submitted on time. Completed (Co-advised with Dr. Christopher Geissler, HHU) |
| Summer 2022 – November 2023 | Seyedeh Zahra Mirkhaef *Language Production in Parkinson's Disease: Measuring 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

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| Fall 2025 – | Nitin Venkateswaran, Dept. of Linguistics. |
| Fall 2021 – | Rachel Meyer, Dept. of Linguistics. |
| Fall 2021 – April 2025 | Alexis Davis, Dept. of Linguistics. *Black Mecha(linguistics): Addressing antiBlackness 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/ʃ alternation*
Submitted on time
Martin Fuchs *Syllable weight and antepenultimate stress in Spanish: experimental 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 theoretic 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

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|---|---|
| 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 – | Member of the University of Florida Health Cancer Center. |
| Spring 2021 | Member of Job Search Committee (an AI Initiative position at Linguistics), University of Florida |
| Fall 2020 | Reviewer for 2021 Research Opportunity Seed Fund for the College of Liberal Arts and Sciences, University of Florida. |
| 2019–2021 | Chair of Visiting Scholars Committee, University of Florida |
| 2019 | Organiser (with Ratree Wayland), Florida Linguistics Yearly Meeting (FLYM 2019) |
| 2018–2019 | Co-director (with Matthew Reeve), Ling-Lunch, Zhejiang University |
| 2011–2015 | 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 Technology – 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

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|---|---|
| Programming | Python & Matlab |
| Data management | Git, OSF.io |
| Data collection | PsychoPy, jspsych & Qualtrics/Prolific/Gorilla/Amazon Mechanical 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 Chinese | Advanced | Courses at Cambridge University Engineering Language Department, 2006–2008. |
| German | Intermediate | B.2.2 (in progress). Obtained B1 TELC certificate (Grade: Gut). |
| Modern Greek | Beginner | Level 2/5 course at University of Cyprus. July–Aug 2009. |
| 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 |