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in kevin tang cantab

**Univ.-Prof. Dr. Kevin Tang**

Ph.D. (UCL), M.A. (UCL)

M.Eng. (Cantab), M.A. (Cantab)

CMALT



## Academic employment

- Sept. 2021 – Heinrich-Heine-University Düsseldorf, Germany  
English and American Studies Department, English Language and Linguistics  
University Professor in English Linguistics with specialisations in Phonetics/Phonology/Morphology (W2, Tenured)
- August 2021 – University of Florida, Gainesville, FL, USA  
Department of Linguistics  
Courtesy Assistant Professor in Computational Language Science
- 2019-2021 University of Florida, Gainesville, FL, 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, CT, USA  
Postdoctoral Associate in Linguistics  
SUPERVISOR: Ryan Bennett

## Leadership position

- October 2022 – 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

- 2011–2015 University College London, London, United Kingdom  
Ph.D. in Linguistics, October 2015  
THESIS: *Naturalistic Speech Misperception*  
ADVISORS: Andrew Nevins (Primary) & Stuart Rosen (Secondary)  
VIVA COMMITTEE: John Harris (Internal) & Bert Vaux (External)
- 2010–2011 University College London, London, United Kingdom

M.A. in Linguistics, November 2011  
 DISSERTATION: *Phonetic trends in slips of the ear*  
 CLASS: Distinction (Dissertation and all modules)

2009–2010      University of Cambridge (Churchill College), Cambridge, United Kingdom  
 M.Eng. in Engineering, June 2010  
 CLASS: Honours Pass (Dissertation: Merit; Modules: Honours Pass)

2006–2009      University of Cambridge (Churchill College), Cambridge, United Kingdom  
 B.A. in Engineering, June 2010  
 CLASS: 2.i.

## Publications/Products

### PATENTS/COPYRIGHTS

Patent Pending    **Kevin Tang**, Yong Kyu Yoon, Ratree Wayland, Lori J Altmann, Saeyeong Jeon & Sunghyun Hwang. 2021. Smart pseudo-palate for linguistic and biomedical applications. US Patent App. 17/351,54. <https://imageppubs.uspto.gov/dirsearch-public/print/downloadPdf/20210393193>

### JOURNAL ARTICLES (PUBLISHED OR ACCEPTED)

2023      Ratree Wayland, **Kevin Tang**, Fenqi Wang, Sophia Vellozzi & Rahul Sengupta. 2023b. Quantitative acoustic versus deep learning metrics of lenition. *Languages* 8(2). (Equal contribution: Wayland, Tang and Wang). <http://dx.doi.org/10.3390/languages8020098> [Student Author: SV, FQ, RS]

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] [First author]

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 author]

2022      John Harris, Eno-Abasi Urue & **Kevin Tang**. To appear. A unified model of lenition as modulation reduction: gauging consonant strength in Ibibio. *Phonology* 39. (Preprint on PsyArXiv). <http://dx.doi.org/10.31234/osf.io/a25yw> [SSCI, A&HCI] [Corresponding author]

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]

- 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]
- 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]
- 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> [pdf: <https://tinyurl.com/y42puhy9>] [bib] [SSCI] [Corresponding author] [Student Authors: LYC, KY, HT, and TW] (Part of the **Fluency In School Team** project: [www.fistproject.org](http://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> [pdf: <https://tinyurl.com/y5mfxgr3>] [bib] [SCI Expanded] [First author]
- 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> [pdf: <https://goo.gl/68PaKp>] [bib] [SCI, SCI Expanded] [First and corresponding author]
- 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> [pdf: <https://goo.gl/8h3RCj>] [bib] [SSCI, A&HCI] [Corresponding author]
- 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. World-wide 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> [pdf: <https://goo.gl/RCVdZL>] [bib] [SCI] [Second author]

- 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> [pdf: <https://goo.gl/PdMGSF>] [bib] [SSCI, SCI Expanded] [Second author] (Part of the **Fluency In School Team** project: [www.fistproject.org](http://www.fistproject.org))
- 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> [pdf: <https://goo.gl/e5JYZe>] [bib] [SSCI, A&HCI]

#### PROCEEDING ARTICLES (PUBLISHED OR ACCEPTED)

- Accepted Jessica Nieder & **Kevin Tang**. Accepted. “Kriech nicht da rein!” - a new corpus of naturalistic misperception of German misheard sung speech. In *Proceedings of the 20th International Congress of Phonetic Sciences, Prague, Czech Republic 2023*. Prague, Czech Republic
- Accepted Ratree Wayland, **Kevin Tang**, Fenqi Wang, Sophia Vellozzi & Rahul Sen-gupta. Accepted. Measuring gradient effects of alcohol on speech with neural networks’ posterior probability of phonological features. In *Proceedings of the 20th International Congress of Phonetic Sciences, Prague, Czech Republic 2023*. Prague, Czech Republic [Student Author: SV, FQ, RS]
- Accepted Charles B. Chang, **Kevin Tang** & Andrew Nevins. Accepted. Individual differences in vowel compactness persist under intoxication across first and second languages. In *Proceedings of the 20th International Congress of Phonetic Sciences, Prague, Czech Republic 2023*. Prague, Czech Republic
- 2023 Jason Shaw & **Kevin Tang**. To appear. A dynamic neural field model of leaky prosody: proof of concept. In *Proceedings of the Annual Meetings on Phonology*. (Preprint on PsyArXiv). <http://dx.doi.org/10.31234/osf.io/7guwq>
- 2022 Ratree Wayland, **Kevin Tang**, Fenqi Wang, Sophia Vellozzi & Rahul Sen-gupta. 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]
- 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]

- 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]
- 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. *Proceedings of First Workshop on Speech Technologies for Code-switching in Multilingual Communities 2020* [Student Authors: AP and PG] [pdf]
- 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](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: <https://goo.gl/XR8HbA>] [bib]
- 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: <https://goo.gl/9Kaov5>] [bib]

#### PUBLISHED CONFERENCE ABSTRACTS

- 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: <https://goo.gl/AM3bVh>] [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 [pdf: <https://goo.gl/fJkVkR>] [bib]

## ARTICLES (SUBMITTED, IN REVISION, REVISED & RESUBMITTED)

- Revised &  
Resubmitted            **Kevin Tang** & Faruk Akkus. Revised and Resubmitted. Identity avoidance in Turkish partial reduplication: feature specificity and locality. *Laboratory Phonology: Journal of the Association for Laboratory Phonology*. Preprint: <https://dx.doi.org/10.31234/osf.io/vbn6p> [SSCI, A&HCI] [First author]
- Revised                &   Peter Howell, Clarissa Sorger, Roa’a Alsulaiman, Kaho Yoshikawa, John Harris & **Kevin Tang**. Revised and Resubmitted. Factors affecting judgment-accuracy when scoring children’s responses to non-word repetition stimuli in real time [Student Author: CS, RA, KY] [Joint corresponding author]
- Submitted                Liam Barrett, **Kevin Tang** & Peter Howell. Submitted. Comparison of performance of automatic recognizers for stutters in speech trained with event or interval markers. [Student Author: LB]
- Submitted                Xiaoyi Tian, Amanda Griffith, Zane Price, Kristy Elizabeth Boyer & **Kevin Tang**. Submitted. Investigating linguistic alignment in collaborative dialogue: a study of syntactic and lexical patterns in middle school students [Student Author: XT, AG, ZP] [Corresponding author]
- In revision                Audrey Zhang, Fjorda Kazazi, **Kevin Tang** & Peter Howell. Submitted. Effects of personal and contextual factors on status and belongingness of a diverse group of first-year undergraduate students [Student Author: AZ, FK]
- In revision                Fenqi Wang, **Kevin Tang** & Ratree Wayland. In revision. The effect of pitch accent on the perception of English lexical stress: evidence from native listeners [SSCI, A&HCI] [Student Author: FW]
- In revision                Ryan Bennett, **Kevin Tang** & Juan Ajsivinac Sian. In revision. Laryngeal co-occurrence restrictions as constraints on sub-segmental articulatory structure. *Natural Language & Linguistic Theory* [SSCI, A&HCI]

## CONFERENCE PRESENTATION (SUBMITTED)



2023 Julika Weber, Lara Rüter, Christopher Geissler & **Kevin Tang**. 2023. Reviewing introductory phonetics and phonology with e-learning [Student Authors: JW and LR]

#### MANUSCRIPTS IN PREPARATION

In prep. Eoin O'Reilly, Christopher Geissler & **Kevin Tang**. In prep. Simulating gestural undershoot in English diphthongs [Student Authors: EO] [Senior author]

In prep. Ratree Wayland, **Kevin Tang** & Rahul Sengupta. In prep. Acquisition of similar versus different speech rhythmic class.

In prep. **Kevin Tang** & Sara Moeller. In prep. Compiling spoken and transcribed corpus of African American language from oral histories.

In prep. **Kevin Tang** & Jason A. Shaw. In preparation. Homophones are not homophonic in Mandarin Chinese

In prep. **Kevin Tang**, Ye Tian, Jyrki Tuomainen & Judit Druks. In prep. PSYCHIGRAM: a psycholinguistic database of Mandarin Chinese nouns and verbs for grammatical class research

In prep. **Kevin Tang** & Andrew Nevins. In prep. Prior expectations constrain conversational, mondegreen and experimental misperception

In prep. John Harris, Nicholas Neasom & **Kevin Tang**. In prep. Phonotactics with [awt] rules: the learnability of a simple, unnatural pattern in English.

#### PH.D. THESIS

2015 **Kevin Tang**. 2015. *Naturalistic speech misperception*. University College London dissertation [pdf: <https://goo.gl/nWYk1B>] [bib]  
 This thesis yielded a new corpus containing  $\approx 5,000$  instances of naturally occurring misperception of conversational English. Please see the SEAR (Slips of the **EAR**) Project for more details: [www.searproject.org](http://www.searproject.org)

## GUEST EDITOR OF JOURNAL ISSUES

- 2022 Ratree Wayland, Si Chen, **Kevin Tang**. An interdisciplinary special issue on “Linguistic Biomarkers of Neurological, Cognitive, and Psychiatric Disorders: Verification, Analytical Validation, Clinical Validation, and Machine Learning” *Frontiers in Psychology* [[Further info](#)]

## Grants and awards

### WHILE AT HEINRICH-HEINE-UNIVERSITY DÜSSELDORF

- 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 [[Further 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](#)]
- 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 [[Further 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 [[Further info](#)]

### WHILE AT UNIVERSITY OF FLORIDA

- 2021–2023 Research Grant. **\$85,000**. University of Florida Office of Research – Research Opportunity Seed Fund. “Demystifying perceptual evaluations of parkinsonism sub-categorizations using machine learning”. Co-PI with Karen Wheeler Heglan (Speech, Language, and Hearing Sciences), Yonghee Oh (Speech, Language, and Hearing Sciences) and Ratree Wayland (Linguistics)
- 2021–2024 Research Grant. **\$349,990**. National Endowment for the Humanities (Award ID: PW-277433-21). “Reanimating African American Oral Histories of the Gulf South: Tailoring Education and Research through Natural Language Understanding”. Past role: PI (PI-ship transferred to Sarah Moeller). Current role: Co-I. Co-PI: Paul Ortiz (Samuel Proctor Oral History Program), and Stephanie Birch (Libraries). Co-I with Deborah Hendrix (SPOHP), Laura Spears (Libraries), Brittany Kester (Libraries), Joshua Martin and Rebekah A. Cordova (Education) [[Further info 1](#)] [[Further info 2](#)]



2020–2023	Research Grant. <b>\$750,000</b> . National Science Foundation (Award ID: 2037266). “ <b>S</b> mart <b>E</b> lectropalatography for <b>L</b> inguistic and <b>M</b> edical <b>A</b> pplications (SELMA)”. Co-PI with Yong-Kyu Yoon (Engineering), Ratree Wayland (Linguistics) and Lori J. Altmann (Speech, Language, and Hearing Sciences) [ <a href="#">Further info</a> ]
2020–2021	Research Grant. <b>\$49,004</b> . 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) [ <a href="#">Further info</a> ]
2020–2021	Research Grant. <b>\$18,875</b> . 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). [ <a href="#">Further info</a> ]
2021	Research Mentor Award. <b>\$1000</b> University of Florida, University Scholars Program. Two awards (\$500 per award). Research students: Rayyan Merchant and Ryan Aponte [ <a href="#">Further info</a> ]
2020,2021	Research Mentor Award. <b>\$1500</b> 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 [ <a href="#">Further info</a> ]

#### 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
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#### WHILE AT YALE (POST-DOC)

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

#### WHILE AT UNIVERSITY COLLEGE LONDON (GRADUATE)

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

#### WHILE AT UNIVERSITY OF CAMBRIDGE (UNDERGRADUATE)

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

## Outreach

#### SCIENCE EVENTS WITH DEMONSTRATIONS

- 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/en/programm-2022/kuenstliche-intelligenz-in-der-politik-fluch-oder-segen-1/> [Virtual booth]

#### INVITED TALKS

- 2020 **Kevin Tang**. November, 2020(a). Science without borders: where linguistics meets human health research. *Annual Research Forum: Multicultural Association of Pre-Health Student (M.A.P.S.)*, University of Florida, USA. <https://www.mapsuf.com/>

- 2020 **Kevin Tang**. November, 2020(b). The importance of One Health on linguistics. *One Health Week 2020*, One Health Center of Excellence, University of Florida, USA. <https://www.youtube.com/watch?v=lW-AFDYAGUI/>

#### RESEARCH REPORTED IN THE MEDIA

- 2022 Avery Thompson. 2022. Tonal language speakers experience less vocal impairment from alcohol. *AIP Scilight*. <http://dx.doi.org/doi.org/10.1063/1.0013392>. <https://aip.scitation.org/doi/10.1063/1.0013392/>
- 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. <https://www.chu.cam.ac.uk/media/uploads/files/Churchill%20Review%202020%20SE.pdf>
- 2015 M.C. Carmo & **Kevin Tang**. 2015. Alternância, ‘auternância’ ou ‘arternância’: variação dos sons da fala. *Diário da Região*. 28 February 2015, 4C–4C [Article: <https://goo.gl/QT6WKQ>]

### **Presentations**

#### PEER-REVIEWED TALKS

- [2023] Ratreë Wayland, **Kevin Tang**, Fenqi Wang, Sophia Vellozzi & Rahul Sen Gupta. 2023a. 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
- [2023] Jessica Nieder & **Kevin Tang**. 2023b. 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
- 2021 **Kevin Tang** & Dinah Baer-Henney. 2021. The necessity of modelling lexical effects during artificial language learning paradigm. Workshop at 54th Annual Meeting of the Societas Linguistica Europaea (SLE 2021), Athens, Greece.
- 2021 **Kevin Tang**, Kaixuan Gong, Jingyi Yang, Sixian Du & Yanduo Chen. 2021. Modeling the acceptability of Mandarin pseudowords with big data – the case of gradient phonotactics. The 18th *Old World Conference in Phonology*, Ibiza, Spain. [Student Authors: KG, JY, SD, and YC]
- 2021 Calvin Yang & **Kevin Tang**. 2021. A richer model is not always more accurate: evaluating phonotactic knowledge with 8,400 nonwords. The 18th *Old World Conference in Phonology*, Ibiza, Spain. [Student Author: CY]
- 2020 Dinah Baer-Henney & **Kevin Tang**. September, 2020. Disentangling L1 and L2 effects from learning bias in artificial language learning. *Talk at 16th Phonetik und Phonologie Tagung*, Trier, Germany
- 2019 **Kevin Tang** & Jason Shaw. October, 2019. Sentence prosody leaks into the lexicon: evidence from Mandarin Chinese. *5th Annual Florida Psycholinguistics Meeting*, University of Miami, USA.
- 2019 **Kevin Tang** & Ryan Bennett. August, 2019. Unite and conquer: bootstrapping forced alignment tools for closely-related minority languages (Mayan). *International Congress of Phonetic Sciences 2019*, Melbourne, Australia
- 2019 **Kevin Tang** & Dinah Baer-Henney. May, 2019. Disentangling L1 and L2 effects in artificial language learning. *27th Manchester Phonology Meeting*, University of Manchester, UK.
- 2018 **Kevin Tang**. November, 2018. How genes shape phonology: evidence from worldwide distribution of the *DCDC2* READ1 regulatory element and its relationship with phoneme variation across languages. *The 8th International Conference on Formal Linguistics*, China.

- 2018 John Harris, **Kevin Tang** & Nicholas Neasom. September, 2018. Do phonologists know too much? A regular, simple, unnatural pattern in English. *14th Phonetik und Phonologie im deutschsprachigen Raum*, University of Vienna, Germany.
- 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](#)]
- 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

- 2023 Charles B. Chang, **Kevin Tang** & Andrew Nevins. 2023. 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**. 2023a. “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]
- 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 morpheme. *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**. February, 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.
- 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, Massachusetts, USA. [Poster]

#### INVITED TALKS

- 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**. 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](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.** February, 2022(a). Computational linguistics in the age of the pandemics and AI: covid as an accelerator of science and fairer speech technology. Digital Humanities Series, Heinrich-Heine-University Düsseldorf
- 2022 **Kevin Tang.** February, 2022(b). Race against the machine: how linguistics can mitigate racial disparities in healthcare and in technology. Keynote speech at Students' Conference 2022 – Master of Arts in Comparative Studies in English and American Language, Literature and Culture, Heinrich-Heine-University Düsseldorf
- 2021 **Kevin Tang,** Janice Krieger, Josh Martin & Donghee Lee. April, 2021. A sociolinguistic-enabled ALEX: precision health intervention for African Americans. Precision Public Health meeting (Host: Thomas A. Pearson) (<https://www.ctsi.ufl.edu/about/ctsi-programs/precision-health/>), University of Florida, USA.
- 2021 **Kevin Tang.** March, 2021. Quantifying lenition: a preliminary study. Interdisciplinary Microsystems Group seminar series (<https://www.img.ufl.edu/>), University of Florida, USA.
- 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.
- 2019 **Kevin Tang.** February, 2019(a). Predictability and mental representation: evidence from Mayan and Chinese. *Shortlisted Job Talk*, University of Florida, FL, USA.

- 2019 **Kevin Tang.** February, 2019(b). Predictability and mental representation: evidence from Mayan and Chinese. *Shortlisted Job Talk*, Wayne State University, MI, USA.
- 2019 **Kevin Tang.** February, 2019(c). Predictability and mental representation: evidence from Mayan and Chinese. *NOSH: New Observations in Speech and Hearing*, Ludwig Maximilian University of Munich, Germany.
- 2018 **Kevin Tang.** July, 2018(a). Expectation shapes speech production and perception: psycholinguistics with ‘small data’. *CRC 1102*, University of Saarland, Germany.
- 2018 **Kevin Tang.** July, 2018(b). Revealing the representation of phonemes through the lens of the probabilistic 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

### 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

S22, W22/23        *Masters: Quantitative Methods for Linguistic Data: An Introduction to Statistics using R* (Graduate)

W21/22,  
W22/23              *Masters: Introduction to Corpus Phonetics* (Undergraduate)

W22/23              *Advanced: Computational Modelling* (Undergraduate)

W21/22,  
W22/23              *Intermediate: Phonetics and Phonology* (Undergraduate)

S22, W22/23        *Basic: Master Comparative Studies* (Graduate)

Summer 22         *Methods: Programming for Linguists* (Undergraduate)

Summer 22         *Advanced: Biased Language Technology in a Social World* (Undergraduate)

Summer 22         *Basic: Master Comparative Studies* (Graduate)

W21/22,S22         *Basic: Introduction to Linguistics* (Undergraduate)

Winter 21          *Advanced: Phonetic and Phonological Similarity* (Graduate)

### UNIVERSITY OF FLORIDA

Spring 2021        *Sounds of Human Language* (Undergraduate)

Spring 2020,2021   *Introduction to Computational Linguistics* (Undergraduate and Graduate)

Fall 2020           [Spring 2020's symposium; Spring 2021's symposium](#)

Fall 2019           *Introduction to Graduate Research* (Graduate)

Fall 2019           *Introduction to Phonology* (Undergraduate)

Fall 2019           *LIN6323 Phonology 1* (Graduate)

### ZHEJIANG UNIVERSITY

2019                *Introduction to Laboratory Phonology* (Graduate)

2018                *Introduction to Phonetics and Phonology* (Graduate)

2018, 2019        *Introduction to Linguistics* (Undergraduate)

### YALE UNIVERSITY

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

#### UNIVERSITY COLLEGE LONDON

2014	<i>Introduction to Statistics for Linguists using R</i> (Graduate) (Instructor)
2012, 2013	<i>Introduction to Statistics for Linguists using R</i> (Graduate) (Instructor with Dr. Ye Tian)
2011, 2012	<i>Introduction to Phonetics and Phonology B</i> (Undergraduate and graduate) Teaching Assistant (Instructor: Prof. Andrew Nevins.)
2011, 2012	<i>Introduction to Phonetics and Phonology A</i> (Undergraduate and graduate) Teaching Assistant (Instructor: Prof. Andrew Nevins.)

#### INVITED GUEST LECTURES

2022	<i>Introduction to Speech Perception</i> 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	<i>Slips of the Ear as a Window into Grammar</i> Brown University, USA Course: CLPS 0050M (Undergraduate), Host: Prof. Scott AnderBois, Date: March 8th 2017
2017	<i>Sufficient Data, Not ‘Big’ Data – A case of using ‘Small’ Data to Model the Production and Perception of Kaqchikel Mayan</i> Aristotle University of Thessaloniki, Greece Course: Computational Linguistics (Graduate), Host: Prof. Alexandros Tantos, Date: June 2nd 2016

### **Educational training**

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. <a href="http://www.alt.ac.uk/cmalt/">http://www.alt.ac.uk/cmalt/</a> .
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### **Advising**

#### SELECTED SUCCESSES OF THE MENTEES

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)
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2023                      Poster prize (€500) of the Highlights Digital 2023 der Deutschen Gesellschaft für Parkinson und Bewegungsstörungen e.V. awarded to Seyedeh Zahra Mirkhaef (M.A. in Comparative Studies in English and American Language, Literature, and Culture, Heinrich-Heine-University Düsseldorf)

#### MENTORSHIP PROGRAMMES

2022 – Present      *Female early career researchers* – SelmaMeyerMentoring at Heinrich-Heine-University – <https://www.mentoring.hhu.de/>

2019 – Present      *Undergraduate researchers* – Center for Undergraduate Research at the University of Florida – <https://cur.aa.ufl.edu/2020/10/13/kevin-tang-phd-ma-meng/>

#### PH.D. EXAMINER

2022                      Simon Stein (Heinrich-Heine-University Düsseldorf)  
2022                      Aviad Albert (University of Cologne)

#### HEINRICH-HEINE-UNIVERSITY DÜSSELDORF: POSTDOCTORAL ADVISOR

Winter 21/22 –      Dr. Christopher Geissler (Ph.D., Yale University)

#### HEINRICH-HEINE-UNIVERSITY DÜSSELDORF: GRADUATE: PH.D. ADVISOR

Winter 22/23 –      Eoin O'Reilly  
Winter 21/22 –      Akhilesh Kakolu Ramarao

#### HEINRICH-HEINE-UNIVERSITY DÜSSELDORF: GRADUATE: B.A/M.A. ADVISOR

Summer 2022 –      Anna Sophia Stein (B.A. in Linguistics)  
Summer 2022 –      Seyedeh Zahra Mirkhaef (M.A. in Comparative Studies in English and American Language, Literature, and Culture)

#### UNIVERSITY OF FLORIDA: GRADUATE: PH.D. COMMITTEES

Fall 2020 –              Aditya Dutt, Dept. of Computer Science.

Spring 2020 –      Tristan Czarnecki-Verner, Dept. of Linguistics. *Neural oscillations and neural entrainment in speech processing; can rhythmic entrainment overcome prior language experience?*  
Spring 2022              Submitted on time. Completed. Now at Adam Mickiewicz University, Post-doctoral researcher

Fall 2019 –              Joshua Martin, Dept. of Linguistics. *Automatic Speech Recognition Systems, Spoken Corpora, and African American Language: An Examination of Linguistic Bias and Morphosyntactic Features*  
Spring 2022              Submitted on time. Completed. Now at University of Florida, Instructional Designer

## UNIVERSITY OF FLORIDA: UNDERGRADUATE SENIOR PROJECTS/SENIOR THESES

Spring 2021	Role: Advisor. Halee Corbin, Gianfranco Cortes, Simon Frank, Isaiah Linares and Sagar Patel. Computer Science (CSC) – 4914 Senior Design – <i>AlphaMask: Face Mask Object Detection in Live Video Feed</i> [ <a href="#">Project page</a> ] Submitted on time
Summer 2020	Role: Grader. Hae Won Kim. <i>Bias in Speech Perception</i> (Advisor: Dr. Ratrete Wayland) Submitted on time

## UNIVERSITY OF FLORIDA: UNDERGRADUATE RESEARCH PROJECTS

Currently	Tejasvi Dudipalla (Summer 2022-Present), Sophia Vellozzi (Spring 2021-Present), Rayyan Merchant (Fall 2019-Present)
Past students	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. <i>Modelling the nativeness and intelligibility of Mandarin-accented English pronunciation</i> Submitted on time
2018–2020	Undergraduate research projects: Gong Kaixuan, Yang Jingyi and Du Sixian. <i>Behavioural databases for phonological research</i>

## YALE UNIVERSITY: GRADUATE STUDENTS: QUALIFYING PAPERS

2015–2017	Luke Lindemann <i>Phonological Variation Throughout Texas German: s/f alternation</i> Submitted on time Martin Fuchs <i>Syllable weight and antepenultimate stress in Spanish: experimental evidence and phonotactic learning models</i> Submitted on time
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## UNIVERSITY COLLEGE LONDON: MASTERS STUDENTS: M.A. DISSERTATIONS

2013	Carly Morris, <i>The Effect of Alcohol on Consonant Cluster Reduction</i> Distinction and submitted on time (Co-advising with Prof. John Harris)
2013	Mike Hindley, <i>A Study into the Effect of Alcohol on L2: Germans Speaking English</i> Distinction and submitted on time (Co-advising with Prof. Andrew Nevins)
2013	Ji Hye Kwon, <i>The Effect of Alcohol on the L2 Vowels of Korean L1 Speakers</i>

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 *publons*: [publons.com/a/1495542/](https://publons.com/a/1495542/)

*Ad hoc* *Frontiers in Artificial Intelligence* (3) – <https://www.frontiersin.org/journals/artificial-intelligence>  
(9 journals) *Journal of the Acoustical Society of America* (1) – <https://asa.scitation.org/journal/jas>  
*Field Methods* (1) – <https://journals.sagepub.com/home/fmx>  
*PLOS One* (3) – <https://journals.plos.org/plosone/>  
*Linguistics Vanguard* (2) – <https://www.degruyter.com/view/journals/lingvan/lingvan-overview.xml>  
*Journal of Fluency Disorders* (4)– <https://www.journals.elsevier.com/journal-of-fluency-disorders/>  
*Lingua* – <https://www.journals.elsevier.com/lingua/> (1, pre-*Glossa*)  
*Language and Speech* (1) – <https://journals.sagepub.com/loi/las>  
*Muitas Vozes* (1) – <https://www.revistas2.uepg.br/index.php/muitasvozes/>  
*Genes* (1) – <https://www.mdpi.com/journal/genes>

### ABSTRACT/PAPER REVIEWING FOR CONFERENCES

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, Austria, September 2019  
2018 Interspeech 2018, Hyderabad, India, September 2018  
2017 92<sup>nd</sup> 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 (ConSOLE), 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) (<https://clitic2022.1st.uni-saarland.de/committees.html>)  
2020–present International Editorial Board for *Revista Uniletras* (<https://www.revistas2.uepg.br/index.php/uniletras/about/editorialTeam>)  
2019 International Conference on Humanities and Social Science Research (<http://www.ichssr.net/committee>)

#### ARTICLE EDITING

2013 University College London Working Papers in Linguistics, Volume 25

#### **University service**

October 2022 – Geschäftsführer/Chair of the Institute of English and American Studies, Heinrich-Heine-Universität Düsseldorf  
Spring 2021 – Member of the [University of Florida Health Cancer Center](#).  
Fall 2019 – Director (with Ratree Wayland and Caroline Wilshire) of the **S**peech **L**exicon and **M**odelling (SLaM) laboratory ([slam.lin.ufl.edu](http://slam.lin.ufl.edu)), University of Florida  
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  
<https://lin.ufl.edu/people/visiting-scholars/>  
2019 Organiser (with Ratree Wayland), Florida Linguistics Yearly Meeting (FLYM 2019) –<https://lin.ufl.edu/events/flym2020/>  
2018–2019 Director, Phon-Circle, Zhejiang University  
2018–2019 Co-director (with Matthew Reeve), Ling-Lunch, Zhejiang University –  
<https://goo.gl/WPwQ6f>  
2011–2015 Organiser, Laboratory for Language and Speech Diversions, Director: Prof. Andrew Nevins, University College London – <https://www.ucl.ac.uk/llsd>  
2013–2014 Organiser (with Nicholas Neasom), Phonology Reading Group, University College London – <https://www.ucl.ac.uk/pals/research/linguistics/linguistics-events/phonology-reading-group>



2011-2012	Student academic representative, M.Phil/Ph.D. in Linguistics, University College London
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## Professional affiliations

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)

## Experimental–Computational skills

PROGRAMMING	Python & Matlab
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DATA MANAGEMENT	Git, <a href="#">OSF.io</a>
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DATA COLLECTION	Lab-experiment: PsychoPy; Web-experiment: jspsych, Experigen ( <a href="https://github.com/tlozoot/experigen">https://github.com/tlozoot/experigen</a> ) & Amazon Mechanical Turk
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DATA ANALYSIS	R Statistical Software, Praat, Forced-Alignment, EEGLAB & ERPLAB
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DOCUMENT	LaTeX, Markdown & {Microsoft, Open} Office
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OS	Unix/Linux(Terminal) & Windows
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## Languages

English	Fluent
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Cantonese	Advanced	Heritage
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Mandarin Chinese	Advanced	Courses at Cambridge University Engineering Language Department, 2006–2008.
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Modern Greek	Intermediate	Level 2/5 course at University of Cyprus. July–Aug 2009.
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Spanish	Beginner	A1 course at El Instituto Salmantino de Lenguas Aplicadas, Spain, Aug–Sep 2007.
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German	Beginner	A1 course at Heinrich-Heine-University Düsseldorf, 2021.
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## Industry employment

Sep–Dec 2013	Altitude Education Ltd, London, UK – E-Learning
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POSITION: Linguistic consultant (Part-time)
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DESCRIPTION: Examined and restructured the English phonics encoding for the *Pippop* phonics course app ([www.pippoplearning.com](http://www.pippoplearning.com))  
MANAGER: Alexander Thompson

July–Aug 2008 Hyder Consulting, Hong Kong – Engineering consultancy

POSITION: Summer Trainee (Part-time)  
DESCRIPTION: Site investigation, report writing, administrative work

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