

# Kevin Tang

Ph.D. (UCL), M.Eng. (Cantab), M.A. (Cantab & UCL), CMALT

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## Academic employment

2015–Present      Yale University, New Haven, CT, USA

POSITION: Postdoctoral Associate in Linguistics  
MENTOR: Ryan Bennett

## 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 trend in slips of the ear*  
SUPERVISOR: Andrew Nevins  
CLASS: Distinction (Dissertation and all modules)

2009–2010      University of Cambridge, Cambridge, United Kingdom

M.Eng. in Engineering, June 2010  
DISSERTATION: *Water quality modelling of a real catchment, using a Geographic Information System and a Hydrological Simulation Program to model the water quality (E-coli level) in Beaver Creek, Virginia*  
ADVISORS: Dong Fang Liang & Rebecca Zeckoski  
CLASS: Honours Pass (Dissertation: Honours with Merit; Modules: Honours Pass)

2006–2009      University of Cambridge, Cambridge, United Kingdom

B.A. in Engineering, June 2010  
CLASS: 2.i.

## Publications

### PH.D. THESIS

- 2015                      **Kevin Tang**. 2015. *Naturalistic speech misperception*. University College London dissertation [pdf] [bib]

### JOURNAL ARTICLES AND PROCEEDINGS (PUBLISHED OR ACCEPTED)

- Accepted                Peter Howell, **Kevin Tang**, Outi Tuomainen, Sin Kan Chan, Kirsten Beltran, Avin Mirawdeli & John Harris. Accepted. Identification of fluency difficulty in samples of children with diverse language backgrounds. *International Journal of Language and Communication Disorders*
- 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). 101–155. <http://dx.doi.org/10.1515/probus-2015-0002> [pdf] [bib]  
(Equal contribution authorship.)
- 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]

### 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 [pdf] [bib]

### MANUSCRIPTS IN PREPARATION

- In prep.                **Kevin Tang** & Andrew Nevins. In prep. A graceful degradation account of lexical retrieval: evidence from naturalistic misperception
- In prep.                Ryan Bennett, **Kevin Tang** & Juan Ajsivinac. In prep(b). The perception of stop consonants in Kaqchikel
- In prep.                Ryan Bennett, **Kevin Tang** & Juan Ajsivinac. In prep(a). Against phonetic realism as the source of root co-occurrence restrictions
- In prep.                **Kevin Tang**, John Harris & Peter Howell. In prep. A generic approach for selecting speech sounds that are true-friends or false-friends
- In prep.                **Kevin Tang**, Ye Tian, Jyrki Tuomainen & Judit Druks. In prep. PSYCHI – a psycholinguistic database of 850 disyllabic Mandarin Chinese words

## Presentations

### PEER-REVIEWED TALKS

- [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.
- [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.
- 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.
- 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**, 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.

#### INVITED TALKS

- 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.

#### PEER-REVIEWED POSTERS

- [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.
- [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.

- 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.
- 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: <https://goo.gl/By4u2K>]
- 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: <https://goo.gl/08UYHU>]

#### OTHER TALKS

- 2013 **Kevin Tang**, Paweł Mandera & Emmanuel Keuleers. September, 2013. The OpenLexicons project – development and uses of Subtlex-corpora for investigating sound symbolism and Brazilian Portuguese. *The 3rd NetWordS Workshop*, Centre for Advanced Academic Studies, Dubrovnik, Croatia.

## Outreach

#### NEWSPAPER ARTICLES

- 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>]

## Fellowships, awards, and grants

### WHILE AT YALE (POST-DOC)

2016                      Research Grant. 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>]

2011–2012                Teaching Innovation Grant (Holder: Prof. Andrew Nevins), University College London, London. As part of a small interdisciplinary university-wide team to develop and implement the use of the peer-assisted learning package, *PeerWise*.

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: Summer Intensive Course for Modern Greek at University of Cyprus

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

## Teaching

### YALE UNIVERSITY

- |      |   |
|------|---|
| 2017 | <i>Quantitative Linguistics using Corpora</i><br>Primary Instructor   |
| 2016 | <i>Topics in Phonology: The Phonetics-Phonology Interface</i><br>Primary Instructor (with Prof. Ryan Bennett) |

### UNIVERSITY COLLEGE LONDON

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

## Advising

### GRADUATE: M.A. DISSERTATIONS (AT UNIVERSITY COLLEGE LONDON)

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

## Service to the field

### ARTICLE REVIEWING

<i>Ad hoc</i>	<i>PLOS One</i> – The world’s first multidisciplinary Open Access journal (3)
(3 journals)	<i>Lingua</i> – An International Review of General Linguistics (1, pre- <i>Glossa</i> )
	<i>Opticon1826</i> – An all-faculty, peer reviewed academic journal, run and edited by University College London postgraduate students (1)

### ABSTRACT/PAPER REVIEWING FOR CONFERENCES

[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	24 <sup>th</sup> Conference of the Student Organisation of Linguistics in Europe (ConSOLE), York, UK, January 2016
2015	2 <sup>nd</sup> University College London Graduate Conference in Linguistics, London, UK, November 2015
2013	1 <sup>st</sup> University College London Graduate Conference in Linguistics, London, UK, November 2013

### ARTICLE EDITING

2013	University College London Working Papers in Linguistics, Volume 25
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## Departmental service

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

2014–Present	Member, Association for Laboratory Phonology (LabPhon)
2013–Present	Member, Linguistic Society of America (LSA)
2013–Present	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> .



## Experimental–Computational skills

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

## Languages

Cantonese	Native	Primary education in Hong Kong.
English	Fluent	Secondary and higher education in United Kingdom.
Mandarin Chinese	Advanced	Courses at Cambridge University Engineering Language Department, 2006–2008.
Modern Greek	Intermediate	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 <i>Pippop</i> phonics course app ( <a href="http://www.pippoplearning.com">www.pippoplearning.com</a> ) 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

**Last updated:** October 18, 2016