

## Kent Kai-hsiung Chang

## CURRICULUM VITAE

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<https://kentchang.com/>

**SUMMARY** Kent Chang's research focus is on applying computational methods of text mining and natural language processing to cultural texts produced after the nineteenth-century in order to address literary-historical inquiries at scale.

## EDUCATION

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**University College London**, London, UK

[September 2017–September 2018]

MSc in Digital Humanities

*thesis*: “Literary Modelling Queer Modernity, 1860–1923: Digital Humanities between Literary Studies and Data Science” (**advisors**: Dr. Julianne Nyhan and Dr. Luke Dickens)

**National Taiwan University**, Taipei, Taiwan

[September 2014–June 2017]

BA in Foreign Languages and Literatures (linguistics and literatures in English)

**University of Taipei**, Taipei, Taiwan

[September 2011–August 2014]

BA program in English Instruction (TESOL), double major in Computer Science; transferred to National Taiwan University in September 2014

## SKILLS

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### PROGRAMMING AND SCRIPTING LANGUAGES

Python (including Django, NLTK, gensim),  
JavaScript (including jQuery and React.js),  
R, PHP, C/C++, Java

### NATURAL LANGUAGES

Mandarin Chinese (*native*), English (*fluent*), German (*reading; intermediate*), Classical Latin (*reading; intermediate*), Japanese (*spoken; beginner*)

### MARKUP LANGUAGES

HTML5 and CSS3 (including Bootstrap 4 and Sass), XML (including XSLT 2.0 and TEI-P5),  
L<sup>A</sup>T<sub>E</sub>X, Markdown

### GRAPHIC, AUDIO, AND VIDEO EDITORS

Adobe Photoshop, InDesign, Illustrator, Premiere Pro, AfterEffects, and Audition

## RESEARCH EXPERIENCE

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### Research assistant

[December 2018–August 2019]

Laboratory of Social Minds, Carnegie Mellon University (**supervisor**: Prof. Simon DeDeo)  
study the signaling of covert and non-normative identities in culture, with initial focus on patterns of language and character interaction in gay literature since the Victorian period

### Research assistant

[November 2018–present]

School of Information Sciences, University of Illinois  
at Urbana-Champaign

(**supervisor**: Prof. Ted Underwood)

extract data from periodicals (primarily *New York Book Review*) in the HathiTrust Research Center Data Capsule

### Research assistant and researcher

[July 2018–present]

.txtLAB, McGill University

(**supervisor**: Prof. Richard Jean So)

parse and analyze periodicals (primarily *Times* and *New Yorker*) in the HathiTrust Research Center Data Capsule

**Research assistant**

[March 2017–July 2017]

Department of English, National Taiwan  
Normal University

(supervisor: Prof. Alvin Cheng-Hsien Chen)

write R scripts for a MOST-funded Digital Humanities project which aims to offer a quantitative, corpus-based approach to the literary scene in post-war Taiwan

**PROFESSIONAL EXPERIENCE**

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**Student Intern**

[July 2018–October 2018]

Research Services, The British Library

(supervisor: Simon Moffatt, Sarah Stewart)

planning a pilot text mining service, starting with the nineteenth-century printed books dataset of the British Library; creating initial drafts of a web interface for researchers to query and download the Library's textual resources, a API which returns metadata and full text of a specified book, and a Python tutorial series for humanities scholars

**TEACHING EXPERIENCE**

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**Teaching assistant**

[September 2016–June 2017]

Department of Foreign Languages and Literatures,  
National Taiwan University

(supervisor: Prof. Hui-chuan Chang)

teaching assistant for FL1009, 1010 Freshman English (with 2-hour Aural Training), session 03 (Fall 2016–Spring 2017)

organized and led discussion sessions on a weekly basis as well as other appointed tasks; created and maintained additional course websites for my discussion sessions: <http://imkent.com/fe/> and <http://imkent.com/fe2/>

**Part-time English instructor**

[July 2011–September 2017]

Private Ying-Da Language School

(supervisor: Ms. Shu-ling Lin)

taught prep classes for General English Proficiency Test (levels equivalent to CEFR A2–C1), the most widely recognized English proficiency test in Taiwan