Kent Kai-hsiung Chang
CURRICULUM VITAE

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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

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

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

MARKUP LANGUAGES
> HTML5 and CSS3 (including Bootstrap 4 and Sass), XML (including XSLT 2.0 and TEI-P5), LaTeX, Markdown

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

GRAPHIC, AUDIO, AND VIDEO EDITORS
> Adobe Photoshop, InDesign, Illustrator, Premiere Pro, AfterEffects, and Audition

RESEARCH EXPERIENCE

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)

wrote 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

Student Intern [July 2018–October 2018]

Research Services, The British Library (**supervisor**: Simon Moffatt, Sarah Stewart)

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

TEACHING EXPERIENCE

Teaching assistant [September 2016–June 2017]

Department of Foreign Languages and Literatures,

National Taiwan University (**supervisor**: Prof. Hui-chuan Chang)

teaching assistant for 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