HOYEOL KIM

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College Station, TX 77840

EDUCATION

Texas A&M University, College Station, USA　　　　　*August 2017 - May 2022*
Ph.D. in English with GR Certificate in Digital Humanities.
Dissertation: "Computational Approaches in the Humanities: from Sentiment Analysis to Deep Learning Colorization."
Committee (English & Digital Humanities): Maura Ives (chair), Amy Earhart, Shawna Ross.
Committee (Computer Science & Engineering): Ruihong Huang.

University of Exeter, Exeter, United Kingdom　　　　*September 2013 - November 2014*
M.A. in English Language and Literature.

Hankuk University of Foreign Studies, Seoul, Republic of Korea *March 2006 - February 2013*
B.A. Major in English Literature, Minor in English Linguistics.

COMPUTER SKILLS AND NATURAL LANGUAGES

Programming/Scripting Languages	Python, R, Swift, SAS, C++
Markup Languages	HTML, CSS, XML/TEI, LaTeX
Deep Learning Frameworks	PyTorch, TensorFlow
Web Frameworks/Platforms	Jekyll, WordPress, Django, Docker, AWS, Bootstrap
Databases	SQL, PostgreSQL, MySQL, SQLite
Operating Systems	macOS, Ubuntu, Windows, Raspbian
Natural Languages	Korean, English, Japanese (JLPT N3)

PEER-REVIEWED PUBLICATIONS

Journal Articles

"*Victorian400*: Colorizing Victorian Illustrations." *International Journal of Humanities and Arts Computing*, vol. 15, no. 1-2, Oct. 2021, pp. 186-202. DOI: 10.3366/ijhac.2021.0269.

"Sentiment Analysis: Limits and Progress of the Syuzhet Package and Its Lexicons." *Digital Humanities Quarterly*, vol. 16, no. 2, 2022. `digitalhumanities.org/dhq/vol/16/2/000612/000612.html`.

"Considering Kim′s Dual Identity in the Post-colonial Discourse." *Journal of British and American Studies*, vol. 34, 2015, pp. 33-53.

Book Chapters

"The Challenges of Collaboration: Pursuing Computational Research in a Humanities Graduate Program." *The Digital Futures of Graduate Study in the Humanities*, edited by Simon Appleford, Gabriel Hankins, and Anouk Lang, Part of the *Debates in the Digital Humanities* Series, U of Minnesota P *(Forthcoming)*.

Tutorials

With Sungjin Ahn, Minji Kang, Donghwan Kim, and JunHyoung Park. "Deep Learning Tutorials with PyTorch." `https://pseudo-lab.github.io/Tutorial-Book/`.

Encyclopedia Entries
The NAVER Encyclopedia project, led by Dr. Dongil Lee, was a commercial digital project that a number of scholars participated in. NAVER is one of the biggest tech companies in South Korea.

NAVER History Encyclopedia: the United Kingdom, edited by Dongil Lee, Nov. 2015.
• "Queen Victoria and 30 Scottish Kings and Queens."
`http://terms.naver.com/entry.nhn?docId=3326637&cid=56790&categoryId=58124`

NAVER Literary Encyclopedia: Looking Closely at Literature, edited by Dongil Lee, Nov. 2013.
• "*Dubliners* by James Joyce."
`http://terms.naver.com/entry.nhn?docId=2070515&cid=267&categoryId=1075`
• "*The Moonstone* by Wilkie Collins."
`http://terms.naver.com/entry.nhn?docId=1996874&cid=267&categoryId=1075`
• "*The Return of the Native* by Thomas Hardy."
`http://terms.naver.com/entry.nhn?docId=1994729&cid=267&categoryId=1075`
• "*New Grub Street* by George Gissing."
`http://terms.naver.com/entry.nhn?docId=1994732&cid=267&categoryId=1075`
• "*The Time Machine* by Herbert George Wells."
`http://terms.naver.com/entry.nhn?docId=1996900&cid=267&categoryId=1075`

EMPLOYMENT

Multilingual NLP Analyst (Contract)   *April 2022 - Present*
Deepgram, San Francisco, California, United States
- I evaluate and improve the performance and outputs of end-to-end deep learning ASR models.
- I evaluate multilingual data for variance in labeling and propose better approaches for multilingual model architecture and text cleaning.

Graduate Assistant, Teaching (Instructor)   *August 2017 - May 2022*
Department of English, Texas A&M University, College Station, TX

Project Manager & iOS Developer   *November 2017 - October 2018*
Gindo Solution, Washington DC, United States
- I managed projects and guided UI/UX designs and function developments for mobile apps. I also developed notification, point system, and payment functions.

Marketing Lead   *April 2016 - November 2017*
Tulango, Yonsei University, Seoul, Republic of Korea
- I created, curated, and tested linguistic data with automatic test models, managed online and offline app ads, and developed public/private partnerships.

Administrative Coordinator   *October 2014 - September 2015*
Graduate School of TESOL, Cyber Hankuk University of Foreign Studies, Seoul, Republic of Korea
- I worked on admission and graduation processing, annual budgets, and course registration.

Sergeant   *April 2007 - June 2009*
Republic of Korea Air Force Headquarters

CONFERENCES

"*Victorian400*: Colorizing Victorian Illustrations." DH2022, Online, July 2022 *(Accepted)*.

"The Application of Sentiment Analysis in Literary Studies." KADH2021, Online, November 2021.

"The Challenges and Considerations of Computational Literary Analysis in Different Languages." ACH2021, Online, July 2021.

With Minji Kang, Sungjin Ahn, Donghwan Kim, and Sung Won Han. "The Automatic Generation of Contextual Questions and Answers for English Learners" ACH2021, Online, July 2021.
`https://hcommons.org/deposits/item/hc:40637/`.

"Dickensian Sentiment and Sentiment Analysis of Victorian Novels." Dickens Society Symposium 2021, Online, July 2021.
`https://www.victorianweb.org/authors/conferences/dickens2021.html`.

"Pursuing Computational Humanities Research as a Graduate Student in the Humanities." Engaging Open Social Scholarship, Online, December 2020.
`https://inke.ca/engaging-open-social-scholarship/abstracts/#Kim-Hoyeol`.

With Maura Ives. "Colorization of Illustrations in Charles Dickens' Novels Using Deep Learning." DH2020, Ottawa, Canada, July 2020. `https://dh2020.adho.org/wp-content/uploads/2020/07/183_ColorizationofIllustrationsinCharlesDickensNovelsUsingDeepLearning.html`. *(Canceled due to COVID-19)*

"Victorian400 Dataset for Colorizing Victorian Illustrations." Keystone DH2020, Philadelphia, USA, July 2020. *(Canceled due to COVID-19)*

"Limits and Progress of the Syuzhet Package and Its Lexicons." ACH2019, Pittsburgh, USA, July 2019. `https://elibooklover.github.io/SentimentAnalysisSyuzhet/`.

"Digital Analysis of Dickensian Characters and the Language of Emotion." Dickens Society Symposium 2018, Tübingen, Germany, July 2018.

TEACHING EXPERIENCE (SELECTED)

Instructor at Digital Humanities Summer Institute, University of Victoria

Deep Learning for Humanists (`https://dhsi.org/dhsi-2022-workshops/`)   *Summer 2022*

Graduate Assistant, Teaching (Instructor)
Department of English, Texas A&M University

ENGL 304: Topics in Digital Research   *Spring 2021*
Course Website: `https://elibooklover.github.io/ENGL304-Spring2021/`
Tutorials: `https://elibooklover.github.io/Tutorials/`

ENGL 210: Technical Professional Writing   *Spring 2022, Fall 2021*

ENGL 210: Technical Business Writing   *Summer 2021, Spring 2021, Fall 2019, Summer 2019*

ENGL 203: Writing about Literature   *Fall 2020, Spring 2020*

ENGL 104: Composition & Rhetoric   *Spring 2019, Fall 2018*

SCHOLARLY DIGITAL PROJECTS

Victorian400 Dataset   *2019 - 2021*
Colorizing Victorian Illustrations with the Victorian400 Dataset.
Ranked with a bronze medal in Kaggle and indexed in Google Dataset Search.
- GitHub: `https://github.com/elibooklover/Victorian400`
- Kaggle: `https://kaggle.com/elibooklover/Victorian400`

VictorianLit Dataset   *2020 - 2021*
For Deep Learning-Based Sentiment Analysis of Victorian Literary Texts.
Indexed in Google Dataset Search.
- GitHub: `https://github.com/elibooklover/VictorianLit`
- Kaggle: `https://kaggle.com/elibooklover/VictorianLit`

Web Companion 2.0 for ***Using Digital Humanities in the Classroom*** (Peer-Reviewed)
With Shawna Ross, Claire Battershill, and Andrew Pilsch.   *2021*

CERTIFICATES

Digital Humanities Graduate Certificate at Texas A&M University *May 2022*
Successfully completed a digital project along with four DH courses (STAT604, ENGL603/604/685).

Digital Editions, Start to Finish *May 2019*
Issued by the Center of Digital Humanities Research, Texas A&M University.

SAS Certified Base Programmer for SAS 9 (92% Pass) *November 2018*
Certificate Verification Number: LQJZ1K12CBBEQ29V

Certificate of Completion: Encoding and Analyzing Digital Editions *December 2017*
Issued by Initiative for Digital Humanities, Media, and Culture, Texas A&M University.

FUNDING AND ACADEMIC AWARDS (SELECTED)

Graduate Assistantship, Department of English, Texas A&M University. *2017 - 2022*

Graduate Merit Funding of $1200, Department of English, Texas A&M University. *2021*

Victorian400 Dataset: Professional Development Grant of $161, Department of English, Texas A&M University. *2021*

Victorian400 Dataset: Project Development Grant of $563, Center of Digital Humanities Research, Texas A&M University. *2020*

Victorian400 Dataset: Graduate Merit Funding of $400, Department of English, Texas A&M University. *2020*

SERVICE TO ACADEMIC ORGANIZATIONS

Chair. "Texts and Images." Session 4. DHSI 2022. Online. *2022*

Reviewer. DH2022. Tokyo, Japan. *2021 - 2022*

Reviewer. DH Unbound 2022. Online. *2022*

External Reviewer. *Digital Humanities Quarterly.* *2020 - 2022*
- Reviewed five DH articles.

Chair. "Dickens in Translation." Panel Session. Dickens Society Symposium 2021. Online. *2021*

Reviewer. ACH2021. Online. *2021*

Invited Speaker for the New Graduate Students in English at Texas A&M University. *2020*

Korean Translator. Around DH (`https://github.com/go-dh/arounddh2020`). *2020*

Korean Translator. Multiligual DH (`http://multilingualdh.org/`). *2020*

Reviewer. DH2020. Ottawa, Canada. *2019 - 2020*

PORTFOLIO OF COMMERCIAL (MOBILE APPS)

K-Town Rewards in DC (Project Management & iOS Dev.) - iOS & Android. *2018*
`https://play.google.com/store/apps/details?id=com.gindosolution.gindoapp.ktownrewards`

Vinny's Grill & Pizzeria 17 (iOS Dev.) - iOS & Android. *2017 - 2018*
`https://play.google.com/store/apps/details?id=com.gindosolution.gindoapp.vinnys`

Tulango (Linguistic Data Processing) - Android. *2016 - 2017*
`https://play.google.com/store/apps/details?id=com.tulango.student`