

# HOYEOL KIM

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LAAH 549, Department of English

Texas A&M University, College Station, TX 77843-4227

## EDUCATION

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### Texas A&M University, College Station, USA

2017 - Present

Ph.D. in English (ABD) with GR Certificate in Digital Humanities

Dissertation: "Computational Approaches in the Humanities from Text Mining to Deep Learning Colorization."

Committee: Maura Ives (chair), Amy Earhart, Shawna Ross, Ruihong Huang

### University of Exeter, Exeter, United Kingdom

2013 - 2014

M.A. in English Literary Studies: Victorian Studies

M.A. Thesis: "Collins's *The Moonstone* and Kipling's *Kim* in the Discourse of Postcolonialism."

### Hankuk University of Foreign Studies, Seoul, Republic of Korea

2006 - 2013

B.A. Major in English Literature, Minor in English Linguistics

## COMPUTER SKILLS AND NATURAL LANGUAGES

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### Programming/Scripting Languages

Python, R, Swift, SAS, PHP

### Markup Languages

HTML, CSS, XML/TEI, L<sup>A</sup>T<sub>E</sub>X

### Deep Learning Frameworks

PyTorch, TensorFlow, Keras

### Web Frameworks/Platforms

Jekyll, WordPress, Django, Docker, AWS, Bootstrap

### Databases

MySQL, PostgreSQL, SQLite

### Operating Systems

macOS, Ubuntu, Windows, Raspbian

### Natural Languages

Korean (Native), English, Japanese (JLPT N3)

## SCHOLARLY DIGITAL PROJECTS

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### *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 Machine 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

*In Progress*

## CERTIFICATES

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### Digital Humanities Graduate Certificate at Texas A&M University

*Completed*

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

## RESEARCH INTERESTS

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Digital Humanities, Victorian Literature, Deep Learning, Sentiment Analysis, Text Mining

## EMPLOYMENT

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**Graduate Assistant, Teaching**

*2017 - Present*

Department of English, Texas A&M University, College Station, TX

**Project Manager & iOS Developer**

*2017*

Gindo Solution, Washington DC, United States

**Marketing Lead**

*2016 - 2017*

Tulango, Yonsei University, Seoul, Republic of Korea

**Administrative Coordinator**

*2014 - 2015*

Graduate School of TESOL, Cyber Hankuk University of Foreign Studies, Seoul, Republic of Korea

**Sergeant**

*2007 - 2009*

Republic of Korea Air Force Headquarters

## PEER-REVIEWED PUBLICATIONS

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### Journal Articles

“Victorian400: Colorizing Victorian Illustrations.” *International Journal of Humanities and Arts Computing*, Oct. 2021 (*Accepted*).

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

### Book Chapters

“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, Volume in 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 IT companies in South Korea.

“Queen Victoria and 30 Scottish Kings and Queens.” *NAVER History Encyclopedia: the United Kingdom*, edited by Dongil Lee, Nov. 2015.

<http://terms.naver.com/entry.nhn?docId=3326637&cid=56790&categoryId=58124>

“Dubliners by James Joyce” *NAVER Literary Encyclopedia: Looking Closely at Literature*, edited by Dongil Lee, Nov. 2013.

<http://terms.naver.com/entry.nhn?docId=2070515&cid=267&categoryId=1075>

“*The Moonstone* by Wilkie Collins” *NAVER Literary Encyclopedia: Looking Closely at Literature*, edited by Dongil Lee, Nov. 2013.

<http://terms.naver.com/entry.nhn?docId=1996874&cid=267&categoryId=1075>

“*The Return of the Native* by Thomas Hardy” *NAVER Literary Encyclopedia: Looking Closely at Literature*, edited by Dongil Lee, Nov. 2013.

<http://terms.naver.com/entry.nhn?docId=1994729&cid=267&categoryId=1075>

“*New Grub Street* by George Gissing” *NAVER Literary Encyclopedia: Looking Closely at Literature*, edited by Dongil Lee, Nov. 2013.

<http://terms.naver.com/entry.nhn?docId=1994732&cid=267&categoryId=1075>

“*The Time Machine* by Herbert George Wells” *NAVER Literary Encyclopedia: Looking Closely at Literature*, edited by Dongil Lee, Nov. 2013.

<http://terms.naver.com/entry.nhn?docId=1996900&cid=267&categoryId=1075>

## CONFERENCES

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“Challenges and Considerations of Computational Literary Analysis in Different Languages.” ACH2021, Online, July 2021 (*Accepted*).

With Minji Kang, Sungjin Ahn, Donghwan Kim, and Sung Won Han. “The Automatic Generation of Grammar Questions and Answers for English Learners” ACH2021, Online, July 2021 (*Accepted*).

“Dickensian Sentiment and Sentiment Analysis of Victorian Novels.” Dickens Society Symposium 2021, Online, July 2021 (*Accepted*).

“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](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

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**Instructor at Digital Humanities Summer Institute, University of Victoria**

Deep Learning for the Humanities: Colorization and Sentiment Analysis      *Summer 2022 (Expected)*

**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

*Fall 2021*

ENGL 210: Technical Business Writing

*Summer 2021, Spring 2021, Fall 2019, Summer 2019*

ENGL 203: Writing about Literature	<i>Fall 2020, Spring 2020</i>
ENGL 104: Composition & Rhetoric	<i>Spring 2019, Fall 2018</i>
<b>Graduate Assistant (Grader)</b>	
<b>Department of English, Texas A&amp;M University</b>	
ENGL 210: Technical Business Writing	<i>Spring 2018</i>
ENGL 231: Survey of English I	<i>Fall 2017</i>

## **FUNDING AND ACADEMIC AWARDS (SELECTED)**

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Graduate Assistantship, Department of English, Texas A&M University	<i>2017 - Present</i>
Graduate Merit Funding of \$1200, Department of English, Texas A&M University	<i>2021</i>
<i>Victorian400 Dataset:</i> Project Development Grant of \$563, Center of Digital Humanities Research, Texas A&M University	<i>2020</i>
<i>Victorian400 Dataset:</i> Graduate Merit Funding of \$400, Department of English, Texas A&M University	<i>2020</i>
Initiative for Digital Humanities, Media, and Culture Fellowship of \$500, Texas A&M University for Digital Humanities Summer Institute, University of Victoria 2018	<i>2017</i>
Digital Humanities Summer Institute Scholarship of CDN\$800, University of Victoria	<i>2017</i>

## **PORTFOLIO OF COMMERCIAL (MOBILE APPS & WEBSITES)**

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TechNews.kr / DealCorea (Front-end Dev.) - Websites	<i>2020</i>
K-Town Rewards in DC (Project Management & iOS Dev.) - iOS & Android	<i>2018</i>
Vinnys Grill & Pizzeria 17 (iOS Dev.) - iOS & Android	<i>2017 - 2018</i>
Tulango (Algorithms, Big Data, UI/UX, Dictionary) - Android	<i>2016 - 2017</i>

## **SERVICE TO ACADEMIC ORGANIZATIONS**

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Reviewer, Conference: ACH2021	<i>2021</i>
External Reviewer, <i>Digital Humanities Quarterly</i> - Reviewed three DH articles	<i>2020 - 2021</i>
Invited Speaker for the New Graduate Students in English at Texas A&M University	<i>2020</i>
Korean Translator, Around DH ( <a href="https://github.com/go-dh/arounddh2020">https://github.com/go-dh/arounddh2020</a> )	<i>2020</i>
Korean Translator, Multilingual DH ( <a href="http://multilingualdh.org/">http://multilingualdh.org/</a> )	<i>2020</i>
Reviewer, Conference: DH2020 in Ottawa, Canada	<i>2019</i>

## **COMMUNITY SERVICE**

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Member of H.O.M.E. at Texas A&M - Volunteer Group for the Homeless	<i>2017 - 2019</i>
Co-Leader of Sunday Walk to Feed the Homeless in Seoul	<i>2014 - 2017</i>

## **WORK AUTHORIZATION**

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I hold a permanent resident card in the United States.