

# 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.

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.

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

“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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Chair. "Dickens in Translation." Panel Session. Dickens Society Symposium 2021. Online.	<i>2021</i>
Reviewer & Tech Volunteer. ACH2021. Online.	<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. DH2020. 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.