

# Hoyeol Kim

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GitHub: [github.com/elibooklover](https://github.com/elibooklover)

## EXPERIENCE

### Amazon Web Services — Machine Learning Data Linguist

July 2022 - PRESENT, Texas, USA (Remote)

As part of the AI Data team, I am working on the development of Transcribe. I evaluate transcriptions and improve annotation, segmentation, tools for data QA, and guidelines for data/QA vendors.

### Deepgram — Multilingual NLP Analyst (Contract)

April 2022 - July 2022, San Francisco, California, USA (Remote)

I evaluated and improved the performance and outputs of end-to-end deep learning ASR models. I evaluated multilingual data for variance in labeling, proposed better approaches for multilingual model architecture, and improved text cleaning pipelines.

### Texas A&M University — Graduate Instructor

August 2017 - May 2022, College Station, Texas, USA

I taught digital humanities and English courses including "Topics in Digital Research" (<https://elibooklover.github.io/ENGL304-Spring2021/>)

### Gindo Solution — Project Manager & iOS Developer (Part-time)

November 2017 - October 2018, Arlington, Virginia, USA (Remote)

I managed projects, guided UI/UX designs and function developments for apps, and developed notification, point systems, and payment functions.

### Tulango — Marketing Lead

May 2016 - November 2017, Seoul, Republic of Korea

I worked on language data for automatic tests, localized the app languages in English, Spanish, and Korean, and managed online and offline app ads.

## EDUCATION

### Texas A&M University — PhD in English with Digital Humanities

August 2017 - May 2022, College Station, Texas, USA

Dissertation: "Computational Approaches in the Humanities: from Sentiment Analysis to Deep Learning Colorization." Supervised by Maura Ives, Amy Earhart, Shawna Ross, and Ruihong Huang.

### University of Exeter — MA in English Literary Studies

September 2013 - November 2014, Exeter, UK

### Hankuk University of Foreign Studies — BA in English Literature (Major) & English Linguistics (Minor)

March 2006 - February 2013, Seoul, Republic of Korea

## SKILLS

Computer languages such as Python, R, and SQL. Familiar with Bash, Unix, and Linux environments. Engineering communication skills and deep understanding of machine learning. Highly attentive to detail.

## JOURNAL ARTICLES & CONFERENCES (SELECTED)

"Sentiment Analysis: Limits and Progress of the Syuzhet Package and Its Lexicons." *Digital Humanities Quarterly*, vol. 16, 2022.  
[digitalhumanities.org/dhq/vol/16/2/000612/000612.html](https://digitalhumanities.org/dhq/vol/16/2/000612/000612.html).

"Victorian400: Colorizing Victorian Illustrations." *IJHAC*, vol. 15, no. 1-2, Oct. 2021, pp. 186-202. DOI: 10.3366/ijhac.2021.0269.

"The Automatic Generation of Contextual Questions and Answers for English Learners." with Minji Kang, Sungjin Ahn, Donghwan Kim, and Sung Won Han, *ACH2021*, Jul. 2021. DOI: 10.17613/pp84-yr61.

## WORKSHOP

Instructor, "Deep Learning for Humanists" at Digital Humanities Summer Institute, University of Victoria, Canada, June 2022.

## LANGUAGES & CERTIFICATE

Korean (Proficient), English (Proficient), Japanese (N3), SAS Certified Base Programmer for SAS 9 (LQJZ1K12CBBEQ29V)