Hoyeol Kim

Machine Learning Data Linguist at AWS | Collaborative Development Editor at DHQ | Instructor for "Deep Learning for Humanists" at DHSI.

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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 and Bedrock. I evaluate transcriptions and improve annotation, segmentation, tools for data QA, and guidelines for data/QA vendors. I write scripts to analyze and manage ML data, in addition to computing metrics.

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.

Cyber Hankuk University of Foreign Studies — *Administrative Coordinator*

Oct 2014 - July 2015, Seoul, Republic of Korea

I worked on admission and graduation processing, annual budgets, and course registration.

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.

"*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| June 2023.

LANGUAGES & CERTIFICATE

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