Haeeun Kim

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EDUCATION

École Polytechnique Fédérale de Lausanne (EPFL)   Lausanne, Switzerland
M.S. in Digital Humanities   2019–Current

Korea Advanced Institute of Science and Technology (KAIST)   Daejeon, Republic of Korea
B.S. in Electrial Engineering, Minor in Science Technology and Policies   2011–2016

EXPERIENCE

Teaching Assistant of Undergraduate Computer Network Course   Daejeon
School of Computing, KAIST   Spring 2016

- − Assisted undergraduate students and faculty.
- − Graded quiz and exams and responded to claims and questions.

Assistant Librarian   Daejeon
KAIST Library   2013–2015

- − Assisted library resources management.

SKILLS

- **Programming Languages:** Python, C/C++, Assembly
- **Data Analysis:** nltk, spaCy, pandas, SciPy, scikit-learn, PySpark, MATLAB
- **Tools and Framework:** Jupyter Lab, Git/Github, LaTeX, MS Office

COURSE PROJECTS

See project materials on haeeun.kim

How and why is facial feature detection technology biased?
Image and Video Processing, EPFL, Fall 2020

- − Survey project on racial bias of facial detection technology.

Understanding the political polarization in Twitter amidst the COVID-19 pandemic
Computational Social Media, EPFL, Spring 2020

- − Collected and analyzed tweets during the COVID outbreak in the United States.
- − Analyzed political polarization during the disaster situation.

Discovering the Olympic Games
Data Visualization, EPFL, Spring 2020

- − Designed interactive visualization of the history of the Olympics on the world map.
- − Presented various narratives of world history through the history of the Olympics

How different are rap flows? Comparative analysis on language and genre
Digital Musicology, EPFL, Spring 2020

- − Analyzed sonic characteristics of American and French rap music.

- Compared inter-lingual and inter-genre differences of difference rap music.

Humans of Paris 19th-century
Fundamentals of Digital Humanities, EPFL, Fall 2019

- Constructed a webpage that provides closer experience towards 19th-century Paris.
- Cleaned and processed photograph metadata.

SCHOLARSHIPS

KAIST Support Scholarship   Daejeon
Merit-based scholarships for five semesters   2012;2014;2015

LANGUAGES

Korean (Native), **English** (Advanced), **French** (Intermediate), **Mandarin Chinese** (Basic)

ACTIVITIES

- Creator based on Instagram   2018–Current
  https://www.instagram.com/haen____k (written in Korean)
- University Choir   2012–Current
  Choeur Universitaire de Lausanne(2018 –Current), KAIST CHORUS (2012 –2016)
- Reading Sewol: Grieving one year of Sewol ferry disaster   Spring 2015
  A performer of a memorial performance of Sewol ferry disaster
- KAIST Undergraduate Student Council   2011 ; 2013
  A student council member