

SeungHeon Doh (도승헌)

Master Student | Department of Culture Technology | KAIST

Portfolio : <https://seungheondoh.netlify.com/> | GitHub: <https://github.com/Dohppak>

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Education

Korea Advanced Institute of Science and Technology (KAIST), Korea

MSc. in Graduate School of Culture Technology | 2019.02 ~ Current

Music and Audio Computing Lab (<http://mac.kaist.ac.kr/>)

Advisor : Juhan Nam

Ulsan National Institute of Science and Technology (UNIST), Korea

B.S. in School of Business administration & Industrial Design | GPA : 3.46/4.3

- Specialization : DataMining and UX research | 2014.03 ~ 2019.02
- Academic Performance Scholarship Recipient for every semester
- Core course : Data Mining(데이터마이닝-기계학습), Database(데이터베이스), Customer Behavior (소비자행동론), UX research methodology (UX 연구방법론), Contextual Design (사용자 맥락 디자인- UCD 심화), Interactive Technology (인터랙티브 기술)

Research Interests

Music Auto-tagging, Zero-shot Learning, Music Recommend System

(Sub) Data Visualization, Music Cognition

Experience

Core-dot Today (AI Start-up), Ulsan, Korea | 2018.06 ~ 2018.12

Researcher - Data Scientist

Notify Governments Documents to Public Using Artificial Intelligence

- The project is funded by Korea Governments, KOITA (한국산업기술진흥협회)
- Developed Relevant Topic tagging algorithm in Government Documents using LDA
- Developed Relevant Industry tagging algorithm in Government Documents using Machine learning.
- Design Website UX / UI (<http://gb.core.today/> - Work in Process)

Recognition

NAVER & Like-Lion HACKERTON, NAVER & Like-Lion, Korea | 2018.12

1st Prize, Professor2vec : Word embedding and measure professor similarity using paper text data.

UNIST NAVER UnderGraduate Poster Award, UNIST & NAVER, Korea | 2017.12

4th Prize, Compare UX analysis and Text-mining : Measure customer similarity using interview text data

Spark Design Award, Spark, USA

Concept Design Finalist, Breezi | 2017.09

Mooc Study

Neural Networks and Deep Learning, Coursera.

Head Teaching Assistant, Andrew Ng · deeplearning.ai

Deep Learning, Udacity.

Nano Degree Program

Artificial Intelligence and Machine Learning^{1,2}, KAIST, StarMooc.

Prof. Moon-il-Chul | Dept.of Industrial and Systems Engineering

Machine Learning, KAIST, Kmooc.

Prof. Alice Oh | School of computing

Essential Python Programming, UNIST&DGIST, StarMooc.

Prof. Cho-min-gyu

Programming for Everybody, MICHIGAN.Univ, Coursera.

Prof. Charles Severance School of Information University of Michigan

Introduction to Probability and Data, Duke.Univ, Coursera.

Prof. Mine Çetinkaya-Rundel School of Practice Statistical Science, Duke University

Paper Experience

Emotional Care Experience about smart watch user, HCI, Korea

Poster Presentation | 2016.03

Design for Sexual Crime Against Intellectually Disabled and Children KSDS,

Korea , Paper | 2015.07

Language & Skill

English(fluent), Korean(native)

DataScience: Pytorch, Tensorflow, Tensorflow.js

Database: MongoDB

Web Application: React.js, p5.js

Visualization: Processing, Sketch, Adobe illustration, Photoshop, Premiere

Programming: Python, R

Teaching

Python for Data Science, UNIST, Korea

https://github.com/Dohppak/python_study

- Data Control with Pandas
- Linear algebra with Numpy
- Data Visualization with Matplotlib
- Basic Statistics with Scikit-learn
- DeepLearning with Pytorch

Information Design, UNIST, Korea

- Basic visual design Elements and Principles.
- Information Architecture Design
- Chart Design and Infographics
- Guided 68 students