Jaekeun Lee

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Personal blog

RESEARCH INTEREST

Data Science; Natural Language Processing; Machine Learning; Text Mining; Network Analysis; Social Innovation; Business Analytics; Statistical Prediction

EDUCATION

YONSEI UNIVERSITY (March. 2013 – Present)   **Seoul, Korea**
Bachelor of Science in Creative Technology Management

Cumulative GPA: 3.75/4.3
Honors & Awards
- Honor roll in 2018-1
- Merit-based scholarship in 2018-1
- High honor roll in 2017-2
- Merit-based scholarship in 2017-2

Courses related to research interest: Linear Algebra, Introduction to Statistics, Introduction to Computer Science, Introduction to Business Analytics, Statistical Methods, Computer Programming, Social Network Analysis, Smart Service System, IT Foundation, Undergraduate Directed Study, Business Strategy and Data Analytics, Social Innovation Capstone Project II,

ANYANG FOREIGN LANGUAGE HIGHSCHOOL (March. 2010 – February. 2013)   **Anyang, Gyeonggi, Korea**

RESEARCH & TEACHING EXPERIENCE

UNDERGRADUATE DIRECTED STUDY – ADVISED BY PROF. KEEHEON LEE
                                                                    (September.2018 – Present) Seoul, Korea
Research Paper
- Title: Forecasting Promising Technology and Business Strategy through Corporate Patent Network
- Role: USPTO patent data crawling, Data mining using SQLite and Python, Network Analysis

RESEARCH ASSISTANT AT YONSEI UNIVERSITY HUMAN & ARTIFICIAL INTELLIGENCE LAB
                                                                    (December.2017 – 2018) Seoul, Korea
Research Project
- Title: Analysis on News Abusing with Trending Keywords
- Role: Crawling news data using Python

RESEARCH ASSISTANT AT YONSEI UNIVERSITY HUMAN & ARTIFICIAL INTELLIGENCE LAB
                                                                    (December.2016 – Present) Seoul, Korea
Research Paper
- Title: Optimization Problem of Institutional Influence for Intelligent Administration
- Role: Crawling news data using Python, Propagation Tests (Independent Cascade Model)

Presented at 2018 Fall Joint Conference organized by (KIEE, KSS, KORMS)

RESEARCH ASSISTANT AT YONSEI UNIVERSITY HUMAN & ARTIFICIAL INTELLIGENCE LAB
                                                                    (December.2016 – Present) Seoul, Korea
Research Project
- Title: Technology-Society Interaction Data Science: Generative Adversarial Scenario Model for Strategic Planning
- Fund: National Research Foundation of Korea
- Role: Crawling metadata (USPTO patent data) and creating RESTful API

RESEARCH ASSISTANT AT YONSEI UNIVERSITY HUMAN & ARTIFICIAL INTELLIGENCE LAB
(December.2016 – Present) Seoul, Korea
Research Project
- Title: A Study on Knowledge Data Representation and Analysis for Big Data-driven Future Studies
- Fund: Yonsei University
- Role: Crawling metadata using Python

TEACHING ASSISTANT AT YONSEI UNIVERSITY (March.2017 – Present)   **Seoul, Korea**
Instructed Courses
- Social Network Analysis

YONSEI SOCIAL INNOVATION WEEKEND TUTOR (February.2017)   **Seoul, Korea**
Worked as a tutor for social leadership weekend where students learned about data science with application of Python

YONSEI SOCIAL INNOVATION WEEKEND TUTOR (January.2018)   **Seoul, Korea**
Worked as a tutor for social leadership weekend where students learned about machine learning with application of Python

PROJECTS

YONSEI TAD CAPSTONE PROJECT (September.2018 - Present)
Developing COSMOS (Cosmetic Online Service) Recommendation System Platform

YONSEI UIC FAQ CHATBOT DEVELOPMENT COMPETITION (May.2018 – June 2018)
1st Prize Team on FAQ chatbot service (Using KakaoTalk RESTful API and pythonanywhere)

YONSEI SOCIAL INNOVATION CAPSTONE PROJECT 2 – PPUCHA (September.2017 – December.2017)
Developed prenatal public chair reservation system, ppucha with application of Postgres DB, Heroku, KakaoTalk API, Barcode generation using Python

OTHER EXPERIENCE

RESIDENTIAL ASSISTANT (October. 2017 – Present)   **Incheon, Korea**
Residential assistant at Allen International House of Yonsei International Campus

The 5th AIEA-NBER Conference (October. 2017)   **Seoul, Korea**
Conference Student Attendee

YONSEI ISSU (Information System Sig of Undergraduate) 20-2th Member (October. 2017 – Present)   **Seoul, Korea**
IT Study Session Leader, Instructor, Collaborations with IT Firms (Coupang, Playwings)
https://www.issu.biz

4th STUDENT COUNCIL QUANTUUM MEMBER (September. 2016 – December. 2016)   **Seoul, Korea**
Student Council Member of Creative Technology Management major

KOREA COAST GUARD AUXILIARY POLICE (October. 2014 – July. 2016)   **Incheon, Korea**
Honorably dismissed as a sergeant from KCG police

KOREAN IT VOLUNTEER (July. 2013 – August. 2013)   **Laguna, Philippines**
Korean IT volunteer, sponsored by World Friends, at Dela Paz West Elementary School in Philippines