

# Jaekun Lee

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Personal blog

## RESEARCH INTEREST

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

## EDUCATION

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**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 HIGH SCHOOL (March. 2010 – February. 2013)**

**Anyang, Gyeonggi, Korea**

## WORK EXPERIENCE

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**DELOITTE CONSULTING LLC. DATA ANALYTICS GROUP (January.2019 – February.2019)**

**Seoul, Korea**

*Worked as an Intern for Automating Underwriting Investment project, processing and mining data with R and 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*

**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*

## RESEARCH & TEACHING EXPERIENCE

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**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)

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**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 Course: Social Network Analysis*

## **PROJECTS**

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**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)**  
*1<sup>st</sup> 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, Ba generation using Python*



## **OTHER EXPERIENCE**

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**RESIDENTIAL ASSISTANT (February. 2018 – December.2018)** Incheon, Korea  
*Residential assistant at Allen International House of Yonsei International Campus*

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

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

**4<sup>th</sup> 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*