

Jiwon Jeong

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SKILL SUMMARY

- Summary of DS Skills: **Regression, Classification, Clustering, Visualization, Web Scraping, Recommendation Engine, Image Processing, Computer Vision, Natural Language Processing, Keras, Tensorflow, etc.**
- Programming Tool Skills: **Python, R, SQL, Spark, HTML, CSS, Git**
- Problem solving with the business context, Collaborating with multi-disciplinary teams, [Proficient technical writing skill](#)

PROFESSIONAL EXPERIENCE

DataCamp

Data Science Online Project Instructor

Jan 2019 – Present

- Building a project tutorial for students on DataCamp

LG chem

Research & Development of Mobile Battery

Jan 2016 – Dec 2017 (2 yrs)

- Analyzing the hidden patterns among messy process data** and enhancing the fabrication efficiency of batteries
- Fabrication process of the curved cell for VR headset, Pouch sealing formation validation testing, Thin separator Hi-pot testing etc.

Projects

[Skana \(Hackathon Project\)](#)

- Developing an iOS application providing the optimized shopping service for Korean beauty products by image search engines
- Applied skills: **Optical Character Recognition** with Tesseract, Image Processing with **OpenCV, Flask**, SQLite, Naver Cloud API
- Devpost: "[Skana, bringing a new shopping experience of Korean Beauty products to the world](#)", May 12, 2019

[TMDB Box Office Prediction](#)

- Kaggle Competition for predicting movie revenues with over 7,000 film data from TMDB, Scoring 1.724 RMSLE (**Top 18%** on public LB)
- Applied skills: Data Manipulation, Feature Engineering, **Residual Weighted Boosting**, Cross Validation & 3 layer **Model Stacking**

[Cosmetic Recommendation System](#)

- Mapping cosmetic items based on their ingredients similarities and giving content-based recommendations
- Applied skills: Automatic Web Scraping with **Selenium, Word Embedding, Dimension Reduction** with t-SNE, Visualization with **Bokeh**
- Publications: "[For Your Skin Beauty: Mapping Cosmetic Items with Bokeh](#)", Nov 28, 2018, Toward Data Science

[Data-driven Strategies for Youtuber](#)

- Intensive exploratory data analysis for suggesting strategies for Youtubers and predicting the view numbers of videos based on their contents
- Applied skills: Web Scraping using Youtube API, **Strong Visualization**, Word Embedding, Generalized Linear Regression
- Publications: "[Strategies To Be A Successful Youtuber: Extensive Youtube Exploratory Analysis](#)", Oct 24, 2018, Toward Data Science

[Gender Classification by Song Lyrics](#)

- Exploratory data analysis with lyrics of top ranking Billboard Chart Songs and building gender classification of the singer based on its lyrics
- Applied skills: **Text Mining** with tidytext & tm package, **Web Scraping**, Logistic Classification, Support Vector Machine & XGBoost Modeling
- Publications: "[What Songs Tell Us About: Text Mining with Lyrics](#)", Oct 13, 2018, Toward Data Science

EDUCATION & COURSES

Yonsei University

Master's Degree Candidate in Industrial Engineering

Mar 2018 – Dec 2019

- Research on **designing data-driven business solutions with predictive analysis**
- Winning **Grand Prize** for [business solution for constructing an ICT testbed at DMC](#) Hosted by Seoul Business Agent

[Online Course Certifications](#)

- Data Scientist with Python & R (DataCamp Career Track)
- Deep Learning Specialization in deeplearning.ai (Coursera)
- Computer Vision with OpenCV and Deep Learning (Udemy)
- Recommender Systems and Deep Learning in Python (Udemy)
- Natural Language Processing (NLP) In Python (Udemy)
- SQL for Data Analysis (Udacity)
- Spark and Python for Big Data with PySpark (Udemy)

Hanyang University

Bachelor's degree in Material Science & Engineering : **GPA 3.8 / 4.0** (4.1/4.5)

Mar 2011 – Feb 2016

INTERESTS

Instagram: [@jjone36](#)

Love to Travel (12 countries, 25 cities), **Reading & Writing** (Favorite quote: "The sadness was form, the happiness content. Happiness filled the space of sadness" -Milan Kundera), **SuperHero Movies** (I love Iron Man & Wolverine!), **Regular Gym Workout**