

# 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, PyTorch, 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](#)

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## PROFESSIONAL EXPERIENCES

### DataCamp

Data Science Online Project Instructor

Jan 2019 – Present

- Building a project tutorial for students on DataCamp ([Soft Launch](#))

### LG chem

Research & Development of Mobile Battery

Jan 2016 – Dec 2017

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

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## 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 predicting movie revenues with over 7,000 film data from TMDb, Scoring 1.724 RMSLE (**Top 18%**)
- 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: 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](#)

- Exploratory data analysis for suggesting strategies for Youtubers and predicting the views 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](#)

- Analyzing song lyrics of top ranking Billboard Chart and building a gender classification of a singer based on its lyrics
- Applied skills: **Web Scraping**, Text Mining with tidytext & tm package, Logistic Regression, SVM & XGBoost Modeling
- Publications: "[What Songs Tell Us About: Text Mining with Lyrics](#)", Oct 13, 2018. Toward Data Science

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## 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

### Hanyang University

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

Mar 2011 – Feb 2016

- Understanding the physical & chemical mechanism of Semiconductors, Metals and Polymers

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## INTERESTS

Travel Lover, Bookworm, Gym Workout, Visiting Art Gallery, SuperHero Movies

- Check out the stories from 12 countries, 25 cities [@jjone36](#)
- Favorite quote: "The sadness was form, the happiness content. Happiness filled the space of sadness" -Milan Kundera
- Still missing my heros, Iron Man and Wolverine..