**Dongkyu Yun**



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**Summary**

* Adept to collect and manipulate data from csv, Excel, Json, SQL database, API, and web scraping.
* Curious to find factors and constraints affecting results from data analysis and visualization, ultimately   
  providing new perspective towards matters and opportunities.
* Motivated to create platforms to enable data analysis interact with users effectively with convenience.

**Technical Skills**

**Tools:** Python(Pandas, statsmodel, sklearn, Matplotlib, Plotly, SQLAlchemy, Flask), Excel VBA

**Databases:** Postgres, Sqlite, database manipulatable by SQLAlchemy

**Projects**

**Area Lookup**

| <https://github.com/yundk7/area_lookup_heroku> | <http://dq-27.herokuapp.com/us_places>

* Utilizes database from Zillow ,Google GEO API and web-scraped data, displays the relationship between   
  real estate values and aspects of local amenities using multivariable linear regression.
* Tools: Python, Flask, Pandas, statsmodel (linear regression)

**Current Issues Plot**

| <https://github.com/yundk7/current_plot_heroku> | <http://dq-27.herokuapp.com/current_plot>

* Collects data from USGS.gov to plot time animation of earthquakes around the world, and yahoo finance to   
  plot and compare stocks desired by users.
* Tools: Python, Flask, Pandas, Plotly

**Bowling Team Management Platform**

|<https://github.com/yundk7/bowling_team_heroku> | <http://dq-27.herokuapp.com/bowling_team> |

* Utilizes google sheet to interact with python codes to enable simple and efficient management of scores and   
  random team generation for small competitions within the club.
* Tools: Python, Google Drive as input, Flask, Pandas

**Interest Scraper from Instagram**

| <https://github.com/yundk7/Interest_Scraper> **|** <https://youtu.be/Luoi8VbaXgM> (Data table video demonstration)

<https://youtu.be/4m4rGc1yUxQ> (Map plot result video demonstration)

* Scrapes instagram pictures using Splinter and machine learning tools to distinguish what each picture   
  displays and sorts them in frequent order to grasp the idea of instagram owner’s interest.
* Tools: Python, Flask, Tensorflow(Keras), Splinter

**Experience**

**Northwestern University School of Professional Studies Feb. 2020 – Present**

**Teaching Assistant Chicago, IL**

* Assist instructor teaching students in a 24 week boot camp program.
* Lessons include data ETL, visualization, machine learning, etc utilizing Python and other tools.

**Lotteria Ansan Jaeil**  **Jan. 2014 – Present**

**CEO Ansan, Korea**

* Investigated location feasibility for additional franchise, and profitable exit-strategy from current location for   
  year 2020 by analyzing and visualizing database from Korean Ministry of Land and various location API.
* Minimized complexity and hours previously used by excel by replacing tedious tasks with simple click of   
  Python executables, reducing turnover rate as well as increasing demand for management positions.

**HIC Trading Jan. 2015 - Mar. 2015**

**Internship Seoul, Korea Jan**

* Programmed excel converter for order sheet and purchase order sheet for middle social commerce bender,   
  and created the basis for an entirely new platform for task process which reduced process time by 80%.

**Education**

**Data Science Bootcamp Certificate: Northwestern University**, Chicago, IL **Nov. 2019**

**Master of Business Administration: Seoul National University**, Seoul, Korea **Feb. 2019**

**Bachelor of Science in Industrial Engineering: Mar. 2014**

**California Polytechnic University,** Pomona, California