**Dongkyu Yun**



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**Summary**

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

**Technical Skills**

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

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

**Key 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.
* Pre-gathered results of major cities <http://dq-27.herokuapp.com/us_places/demo>
* 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**

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

**CEO** Feb 2016- Present

* Investigate determining factors and constraints of real-estate values to be used in investment plans for 2020, utilizing   
  database from Korean Ministry of Land and various location API. Plans include location feasibility for additional franchise,   
  and profitable exit-strategy from current location in case of various scenarios.
* 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.
* (<https://github.com/yundk7/lotteria_executable/>)

**HIC Trading, Seoul, Korea (Internship) Jan. 2015 - Mar. 2015**

* 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