**Dongkyu Yun**



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**Summary**

1. Adept to collect and manipulate data from csv, excel, Json or 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 efficiency 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://area-lookup.herokuapp.com/>

* Utilizes database from Zillow ,Google GEO API and web-scraped data, displays the relationship   
  between real estate values and aspects of local amenities.
* Pre-gathered results of major cities (<http://area-lookup.herokuapp.com/demo>)
* Tools: Python, Flask, Pandas, statsmodel (linear regression)

**Current Issues Plot**

| <https://github.com/yundk7/current_plot_heroku> | <http://current-plot.herokuapp.com/>

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

**Bowling Team Management Platform**

|<https://github.com/yundk7/bowling_team_heroku> | <http://bowling-team.herokuapp.com/> |

* 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 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

* Management of franchise business as franchisee.

*Relative Accomplishments:*

* Saved workload and hours used for daily reports and inventory forecast and management by more   
  than 60% with development of python executables. (<https://github.com/yundk7/lotteria_executable/>)

**HIC Trading, Seoul, Korea Jan. 2015 - Mar. 2015**

* (Internship) 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