Seng Kin Chu

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San Francisco, California

Portfolio: sengkinchu.github.io

SUMMARY

Highly flexible individual looking to bring my data visualization and analytical skills to improve businesses and products.

PROJECTS

Rental Investment Finder

- Wrote the algorithm to identify investment opportunities in the US that meet a set of personalized investment criteria using Python and SQL.
- Examined data at the zip code level, which is more granular than the city level most online sources provide.
- Leveraged Python bottle to host the web server, Microsoft Azure to handle the database.

GPU Analytics

- Developed the web application for data visualization of GPU prices and specifications using Python. GitHub
- Designed the app front-end interface and layout using HTML, Bootstrap, and Dash.
- Created the back-end database using SQLite, and communication with the database using Pandas.
- Implemented scripts to automatically update the database daily from web scraped data using BeautifulSoup.
- Assembled the web application on a Cloud VPS host, Digital Ocean using Ubuntu OS.

Gender Gap Visualization App

- Developed a web application for data visualization of employee salaries in California using Python. GitHub
- Designed the interface and layout using HTML, Bootstrap, and Dash.
- Processed and cleaned the data using Pandas and Numpy.
- Analyzed the data based on gender and job categories.

codingdisciple.com

- Designed the website, which aims to provide educational resources on coding in data science using examples and mini-projects. This website also acts as a host for my end to end data science projects.
- Created a 7-part series on statistics and hypothesis testing in Python. Example
- Provided solutions to 17 guided projects from Dataquest.io demonstrating the usage of tools such as Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, SQL and Spark. Example

EXPERIENCE

Safety Associate, *CareDx, Brisbane, CA:* October, 2017 – December, 2018

- Emergency response staff for clinical laboratory personnel.

Associate Chemical Engineer - *AMPAC Fine Chemicals, Rancho Cordova, CA*: June 2014 - January 2017

- Shift technical lead for the manufacturing of active pharmaceutical ingredients in a large scale production facility.
- Trained operations personnel on the production process and safety measures.
- Collected and interpreted process data to determine process inefficiencies.
- Presented data and implemented process changes that improved production cycle time by >15%.
- Managed chemical inventory to ensure zero downtime due to lack of raw materials.

EDUCATION

Master of Science in Analytics, *Georgia Institute of Technology*, GPA: 4.0, *January 2019 – December 2020 (expected)*

- Concentration in business analytics

Bachelor of Science in Chemical Engineering, *University of California, Davis*