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Seng Kin Chu

San Francisco, California

Website: codingdisciple.com

Portfolio: sengkinchu.github.io

OBJECTIVE

To apply my unique perspective in problem solving and analytics from process engineering in the field of data science. Drawing valuable insights from data or creating interactive dashboards.

TECHNICAL SKILLS

Programming: Python, HTML, CSS

Libraries: Pandas, Numpy, Scikit-learn, SciPy

Frameworks: Git, Spark, Dash

Database Systems: PostgreSQL, SQLite

Data Visualization Tools: Seaborn, Plotly

IDEs: Jupyter Notebook, Spyder

PROJECTS

GPU Analytics

- Developed a web application for data visualization of GPU prices and specifications using Python. GitHub
- Designed the app interface and layout using HTML, Bootstrap, and Dash.
- Created the back-end database from raw web scraped data using SQLite and BeautifulSoup.

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.

MAL Reviews Scraper

- Built a web scraping tool to extract raw data from MyAnimeList.net into a SQL database. GitHub

codingdisciple.com, November 2017 – Present

- 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, Scikit-learn, SQL and Spark. Example

EXPERIENCE

Associate Process Engineer - *AMPAC Fine Chemicals*: June 2014-January 2017

- Presented chemical release data to the Sacramento County and prevented a major fine from the government.
- Trained operations personnel on the production process and safety measures.
- Collected and interpreted process data to determine process bottlenecks.
- Presented data to the R&D department and proposed/implemented process change that improved production cycle time by 15% and production yield by 5%.

Dataquest Community Moderator, February, 2018 – Present

- Forum moderator for a Slacks community of over 5,000 members, answer various questions in Python, statistics, SQL.

EDUCATION

Bachelor of Science in Chemical Engineering

University of California, Davis, 3.53/4.0 GPA