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Seng Kin Chu

Daly City, California

Website: codingdisciple.com

Portfolio: sengkinchu.github.io

OBJECTIVE

To apply my unique perspective in problem solving, troubleshooting, optimization and analytical skills from process engineering in the field of data science. Specifically, drawing valuable insights from data and providing practical solutions.

TECHNICAL SKILLS

Programming: Python, HTML, CSS

Libraries: Pandas, Numpy, Scikit-learn, Scipy

Frameworks: Git, Spark

Database Systems: PostgreSQL, MySQL

Data Visualization Tools: Seaborn, Matplotlib, Tableau

IDEs: Jupyter Notebook, Spyder

PROJECTS

The Gender Wage Gap

- Developed a detailed analysis on the gender wage gap for public jobs in California using Python. Demonstrated that the gender wage gap doesn't exist for part time employees even in highly conservative cities. Summary

codingdisciple.com, November 2017 – Present

- Created the website, which aims to provide educational resources on coding in data science by using examples and mini-projects. This website also acts as a host for the rest of my data science projects.

Content includes but not limited to:

- A 6-part series on statistics and hypothesis testing in Python. [Link](#)
- Business oriented data analysis/visualization with SQL and Python. [Link](#)
- Predicting Titanic Survivors using machine learning with emphasis on data exploration. [Link](#)
- Working with Spark SQL and Spark Dataframes in Python. [Link](#)

EXPERIENCE

Associate Process Engineer, June 2014-January 2017

AMPAC Fine Chemicals, Rancho Cordova, California

- Investigate chemical releases by analyzing real time data, prevented a major chemical accident by identifying the cause within 2 hours.
- Presented chemical release data to the Sacramento County and prevented a major fine from the government.
- Troubleshoot process equipment failures by process of elimination, testing each part of the equipment to ensure functionality.
- Collected and analyzed 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

Dataquest.io, San Francisco, California

- 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, June 2013

University of California, Davis, 3.53/4.0 GPA

- Relevant Coursework: Linear Algebra, Multivariable Calculus, Differential Equations