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Seng Kin Chu

Daly City, California

Website: codingdisciple.com

Portfolio: sengkinchu.github.io

SUMMARY

Data oriented process engineer looking to leverage problem solving, troubleshooting, optimization and analytical skills in the field of data science.

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

PROJECTS

codingdisciple.com, November 2017 – Present

- Created the website, which aims to provide educational resources on coding in data science by using examples and projects.

Content includes but not limited to:

- A 6-part series on the basics of 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.
- Assisted in preparation of weekly manufacturing reports and presentations
- Presented data to the R&D department and proposed/implemented process change that improved production cycle time by 15% and production yield by 5%.
- Revised equipment cleaning work instructions and reduced cleaning downtime by 30%

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

Data Scientist Path, February 2018

Dataquest.io, online certification