Giani Kurniawan

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Education

University of California, Berkeley *May 2022*

Bachelor of Arts, Data Science with Business and Industrial Analytics

Relevant Coursework: Structure & Interpretation of Computer Programs (Python, Scheme, SQL), Foundations of Data Science (Python, NumPy), Principles & Techniques of Data Science (SQL, Pandas), Probability for Data Science, Principles of Engineering Economics, Principles & Techniques of Data Science (Python, SQL)

Ohlone College | Fremont, CA *July 2020*

Associates of Science, Computer Science [Highest Honors]

Associates of Science, Mathematics [Highest Honors]

Skills

Languages/Skills: Python, C, C++, SQL, Vim Script, Scheme, SMLNJ, JavaScript, HTML, Microsoft Excel, Tableau

Libraries: NumPy, Discord.py, ggplot, seaborn, TensorFlow, matplotlib, pandas, statsmodel, Re, JSON, Repl.it DB

Work Experience

Data Analyst Intern – Renaissance Entrepreneurship Center *Sept 2021 – May 2022*

- Forecasted stock prices with time series analysis Arima with 99.51% accuracy
- Created data visualizations of Hulkman batteries using Tableau and web crawl using ParseHub and python to discover the strengths and weaknesses of the batteries
- Implemented k-means to get center of gravity analysis and derive the best location for Instacart warehouses in Python
- Used R to scrape tweets and discover the sentiment scores of certain key terms by exploratory graph analysis
- Forecasted applicants for loans acceptance with logistic regression and decision tree with an accuracy of 87% and 77%
- Created BPMN for AmazonFlex and optimized their data collection infrastructure
- Analyzed electric vehicle charging stations dataset locations using EDA and Pandas to find optimal locations in the US
- Assessed the company culture (OCAI) of Hammer Creative using Tableau and data analysis

Math & English Tutor – *Ohlone College* *Feb 2019 – July 2020*

- Improved averaged class performance by 25% through effective study methods and guidance.
- Encouraged students to understand core concepts of calculus and engage with students to work through analytical homework problems.
- Held lab hours for students' extra tutoring sessions to review and practice subjects in class.

Personal Projects

Discord Bot – https://github.com/akanijade/disc-bot

- Created a bot in Python that would respond to negative messages with an inspiring quote utilizing Repl.it DB database, discord.py, OS, requests, json, and random that runs 24 hours with UptimeRobot and pings the server.
- Implemented object-oriented programming, YouTube-dl, asyncio, FFmpeg to add a music feature that allows the bot to play, pause, resume, and stop music when title or URL is given

Micro Equity Assessment– https://github.com/itsliya/team16

- Collaborated to build an assessment program for clients who apply for microfinance loans and implemented a calculator for proposed interest rates using Anvil and python

Chat Message – https://damp-bastion-04405.herokuapp.com/

- Implemented a chat messaging website using socket.io, javascript, heroku, and HTML

Power of Data – https://github.com/akanijade/the-power-of-data

- Utilized NumPy for table manipulations and visualizations to help biologists analyze data of specific cells in our lungs that are associated with the disease cystic fibrosis.

Ants vs. SomeBees – https://github.com/akanijade/Ants-vs-Bees

- Collaborated to build a tower defense game in Python where the different types of ants protect the queen from bees. PopCap's Plants vs. Zombies inspired the game.
- Implemented functional and object-oriented programming models and tested large programs.

Portfolio Website – https://github.com/akanijade/website

- Created a portfolio website using HTML, CSS, and javascript

Leadership Experience

Senator, Student Government – *Ohlone College* *July 2019 – May 2020*

- Represented students in shared governance committees to serve students' concerns and needs.
- Created bills and new legislation to improve students' academic life