Giani Kurniawan

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY   **Berkeley, CA**
Bachelor of Arts, Data Science (GPA: 3.158/4.0)
Relevant Coursework: Principles & Techniques of Data Science (Python, SQL, Pandas), Probability for Data Science, Principles of Engineering Economics, Introduction to Artificial Intelligence, Introduction to Machine Learning
OHLONE COLLEGE   **Fremont, CA**
Associate of Science, Computer Science (Highest Honors) (GPA: 3.954/4.0)
Associate of Science, Mathematics (Highest Honors)

SKILLS

Python (numpy, ggplot, seaborn, pandas, scikit-learn, etc), UNIX, Tableau, SQL, C, C++, Vim Script, Scheme, SMLNJ, JavaScript, MS Excel, HTML5, HTML, AWS, Rep.it DB, os, glob, Discord.py, TensorFlow, matplotlib, statsmodel, Re, JIRA

WORK EXPERIENCE

Global Key Advisors   **San Francisco, CA**
Quantitative Analyst   *July 2022 - Present*
- Trained and supervised a team of 5 analysts in scoring and research for ~500 CleanTech Open graduate companies
- Built datasets with Excel formulas and presented statistical findings to ~200 audiences in the Cleantech Open Global Forum
- Parsed 820,000+ JSON files to find critical information for 5000+ companies' submissions with Python
- Improved bond & high dividends portfolios by 10% growth by screening stocks for large-cap companies with better yield
- Used BeautifulSoup4 & Python3 to web scrape websites to obtain desired emails from a given URL in an automated way
- Developed business goals and trained development teams on how to track, plan, and analyze using JIRA
- Visualized 31,519 companies' transactions from the CRSP dataset using Google Looker
- Analyzed and processed 1.5M lines of transactions from 20 years of CRSP raw filings for processing
- Aggregated stock companies from 20 years of data by 10 days of the previous transaction by each unique insider ID with Python
- Used knowledge of our published paper to develop data visualization products and UI design for marketing
- Develop a web scraping program from the EDGAR database to obtain biographies of insiders from 500 tickers

Renaissance Entrepreneurship Center   **East Palo Alto, CA**
Data Analyst Intern   *Sept 2021 – May 2022*
- Forecasted stock prices with time series analysis Arima with 99.51% accuracy
- Visualized 2 years of Amazon revenue data for Hulkman batteries using Tableau and web crawl using ParseHub and Python to discover the strengths, weaknesses, and insights of the product
- Analyzed ~500 school locations for optimal Instacart warehouses using k-means to derive center of gravity analysis in Python
- Utilized R & Twitter API to scrape ~15K tweets & discover the sentiment scores of specific terms by exploratory graph analysis
- Forecasted applicants for loan acceptance with logistic regression and decision tree with an accuracy of 87% and 77%
- Authored an improved Business Process Model and Notation for AmazonFlex and optimized their data collection infrastructure
- Analyzed ~51K electric vehicle charging station locations using EDA and Pandas to find optimal locations in the US

● Assessed the company culture (OCAI) of 26 Hammer Creative's respondents using the Tableau dashboard and data analysis

PERSONAL & ACADEMIC PROJECTS

Bot - https://github.com/akanijade/LalaBot   **Fall 2022**
● Improved a discord bot to discord.py v2 and added slash commands which can generate random inspiring quotes using API, send motivational quotes when it detects a sad word in the channel chat, and send a personal message in Discord

Chat Message – https://github.com/akanijade/chat_socket   **Summer 2022**
● Designed a conversation messaging website using socket.io, javascript, Heroku, and HTML

Micro Equity Assessment - *Course: Applied Data Science with Venture Applications*   **Spring 2022**
● Collaborated with a 5-member team to build an assessment program for clients who apply for microfinance loans
● Developed a calculator for proposed interest rates using Anvil and Python

Portfolio Website – https://akanijade.github.io/website/   **Summer 2021**
● Deployed a portfolio website using HTML, CSS, and javascript

Power of Data - *Course: Foundations of Data Science*   **Summer 2021**
● Utilized NumPy for table manipulations and visualizations to help biologists analyze data of specific cells in our lungs associated with cystic fibrosis

Ants vs. SomeBees - *Course: Structure & Interpretation of Computer Programs*   **Fall 2020**
● Collaborated with a 2-member team to build a tower defense game in Python about ants protecting the queen from bees
● Implemented functional and object-oriented programming models and tested large programs

Discord Bot – https://github.com/akanijade/disc-bot   **Fall 2020**
● Created a bot in Python that would respond to negative messages with inspiring quotes utilizing Repl.it DB database, discord.py, OS, requests, JSON, REST API, and random that runs 24 hours with UptimeRobot to ping the server
● Applied object-oriented programming, YouTube-dl, asyncio, & FFmpeg to add a music feature that allows the bot to play, pause, resume, and stop music when a title or URL is given

LICENSES

SIE – FINRA (www.finra.org)   **Aug 2023**
● Topics Covered: Knowledge of Capital Markets, Understanding Products and Their Risks, Understanding Trading, Customer Accounts, and Prohibited Activities, and Overview of Regulatory Framework

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Senator, Student Government (ASOC) - 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
● Managed student activities around campus to increase student engagement

Treasurer/Secretary, Dot Slash – Ohlone College   **May 2019 – May 2020**
● Recorded, transcribed, and distributed minutes of meetings
● Managed the communication between club members and faculty to create connections with future employers and create opportunities for fellow computer science students
● Organized the club's administration and funds to market the club and hold events

CAMPUS OPPORTUNITIES

Engagement Ambassador - University of California, Berkeley   **Oct 2021 - May 2022**
● Reached out to engage donors to donate, verify their information, and share institutional updates
● Conducted meaningful digital and traditional interactions with alumni, parents, and friends

Advanced 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 problems
- Held lab hours for students' extra tutoring sessions to review and practice subjects in class