

GIANI KURNIAWAN

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OBJECTIVE

Versatile professional with a strong foundation in computer science, mathematics, and data science, combined with financial analysis expertise (Series 65 certified). Proven track record in research, data-driven decision-making, and project management. Adept at leveraging analytical tools and technical skills to solve complex problems and drive business insights.

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY - Berkeley, CA

May 2022

Bachelor of Arts, Data Science

Relevant Coursework: Principles and Techniques of Data Science (EDA, Modeling, Linear/Logistic Regression, OLS, Gradient Descent, PCA, Decision Trees, Random Forest, Clustering, Feature Engineering, Regularization, Cross-Validation), Probability for Data Science, Principles of Engineering Economics, Introduction to Artificial Intelligence, Introduction to Machine Learning

OHLONE COLLEGE - Fremont, CA

July 2020

Associate of Science, Computer Science (Highest Honors)

Associate of Science, Mathematics (Highest Honors)

TECHNICAL SKILLS

Python (numpy, ggplot, seaborn, pandas, scikit-learn, scipy, matplotlib, statsmodel, re, glob, os, PyPDF2), Git, MS Excel, Visual Basic, LINUX, Tableau, SQL, C, C++, Vim Script, Scheme, SMLNJ, JavaScript, HTML5, HTML, AWS, Rep.it DB, Discord.py, TensorFlow, JIRA, Google Apps Script, Agile, UNIX, MS Office, Tableau

WORK EXPERIENCE

Financial Analyst - Global Key Advisors

July 2022 - Present

- Built a database with **Excel** and maintained the **ETL** processes to ensure data accuracy and consistency
- **Mentored** a team of junior analysts in research and analysis for ~600 CleanTech Open graduate companies
- **Presented** statistical findings to ~80 startups in the Cleantech Open Global Forum
- Parsed 820,000+ **JSON** files to find critical information for 5000+ companies' submissions with **Python**
- Analyzed large-cap company stocks for a **10%** increase in yield in the bond & high dividend portfolios
- Used **BeautifulSoup4** & **Python3** to web scrape websites to obtain desired emails from a given URL
- Implemented **data quality standards** and regular audits for **data integrity**, improving efficiency by 40%
- 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 with **Excel**
- Aggregated stock companies from 20 years of data by 10 days, and each unique insider ID with **Python**
- Developed **data visualizations** from our published paper and portfolios using **Excel**
- Partnered with cross-functional teams to **enhance the website's retention rate** by 50% and user experience
- Develop a **web scraping** program from the EDGAR database to obtain biographies of insiders from 500 tickers

- Used **TWS API** to run RTD Server in **Excel** to obtain real-time updates for a high-yield corporate bond portfolio
- Conducted **market research analysis** on data collection for telecom projects and identified data-driven strategies
- Collaborated with cross-functional teams in **database design** utilizing **Microsoft SQL, MATLAB, Python, & Visual Basic**
- Collaborated with the IT team to plan and develop **remote computer infrastructure**, ensuring scalability and reliability
- **Managed and supervised** data scientists and analysts of 10+ members in delivering 15+ research projects
- Merged large-scale financial trading datasets to optimize **data integration processes** for efficient analysis of market trends and trading patterns
- Conducted **code reviews and debugging** to ensure quality and functionality before deployment
- Developed ETL pipelines to ensure data accuracy, increasing efficiency by 40%
- Handled all **data quality control** of the **data warehouse and quality standards**, ensuring data integrity and consistency across all datasets to support decision-making processes

Data Analyst Intern - Renaissance Entrepreneurship Center

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 **Exploratory Data Analysis** and **Pandas** to find optimal locations in the US
- Assessed the company culture (OCAI) of 26 Hammer Creative's respondents using an interactive **Tableau** dashboard and data analysis

LICENSES & HONORS

Series 65 – FINRA/NASAA (www.finra.org)

May 2025

- Topics Covered: Economics, Investment Vehicle Characteristics, Portfolio Management Strategies, Ethics, and State/Federal Securities Regulations

SIE – FINRA (www.finra.org)

Aug 2023

- Topics Covered: Knowledge of Capital Markets, Understanding Products and Their Risks, Understanding Trading, Customer Accounts, Prohibited Activities, and Overview of Regulatory Framework

Member of Phi Theta Kappa, International Honor Society

May 2019 - Present

PERSONAL & ACADEMIC PROJECTS

PopNow Link Generator – [Google Sheets Project](#)

Spring 2025

- Automated dynamic URL creation in Google Sheets using Apps Script and custom menus, reducing manual effort and demonstrating scripting for structured data tasks

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 the 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

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 average 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