

Mikhail Ezra Guiao

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EXPERIENCE

Data Quality Analyst

Oct. 2025 – Present

Citibank

- Oversaw the complete lifecycle of script adjustment change requests, encompassing scope submission, FRD, test results validation and production checkout monitoring to ensure desired functionality
- Automated daily data validation workflows using AI tooling, reducing processing time by 92% and accelerating change request throughput.
- Managed end-to-end process for adjustment deployments, conducting daily reviews and facilitating approvals
- Delivered critical operational reporting and metrics including daily cross-regional handoffs

Software Engineer Intern

July 2024 – Aug. 2024

Pointwest

- Led UI/UX design and system architecture for an in-house web platform built with a 10-person engineering team; presented the final product to C-suite executives.
- Built and optimized Angular and Bootstrap components, improving load time, consistency, and reliability.

Data Analyst Intern

July 2022 – Sept. 2022

HealthNow (Ayala Health)

- Optimized data pipelines and standardized cross-company database integrations, improving data consistency, scalability, and overall analytics efficiency
- Analyzed millions of user profiles and transaction data points using Pandas and MySQL

Software Engineer Intern

June 2022 – Aug. 2022

Bit Create

- Developed and deployed client websites using Vue.js, focusing on responsive design and maintainability
- Planned and Designed the UI/UX of a real estate website and handled its back-end services

EDUCATION

University of the Philippines Diliman

Sep. 2021 – July 2025

Bachelor of Science in Computer Science, cum laude

TECHNICAL SKILLS

Programming Languages: Python, HTML, CSS, JavaScript, TypeScript, C, SQL

Frameworks: React, Angular, Node.js, Vue.js, Django, Bootstrap

Tools / Libraries: Git, GitHub, VS Code, Jupyter, Pandas, Matplotlib, Tableau, PowerBI, BeautifulSoup, Claude

PROJECTS

Flood Modeling & Visualization System | *Python, Numpy, QGIS*

- Developed a geospatial flood simulation model under an NCTS-funded research initiative, applying shallow-water equations and RK2 numerical integration to model flood progression across multiple terrain scenarios.
- Derived flood risk thresholds from rainfall and flow analysis, producing visualizations for disaster risk assessment.

Bank Fraud Detection Dashboard | *Power BI, Python*

- Built a Power BI fraud dashboard analyzing 1M+ bank account applications from the NeurIPS 2022 dataset.
- Designed a composite fraud risk scoring a 6.56% fraud rate in very high-risk applicants, 6x the portfolio average.

Ugnayan | *React.js, Firebase, Bootstrap, TypeScript*

- Led a 4-person Agile team to deliver a student-org matching platform, managing sprints, and client alignment.
- Designed data models to support real-time application tracking across multiple organizations.

Acoustify | *React.js, Node.js, Bootstrap, JavaScript*

- Built a music analytics web app integrating Spotify OAuth to extract and visualize user listening patterns.
- Processed and surfaced user-level audio feature data, enabling personalized playback analysis.

Philippine Stock Exchange Terminal | *Django, Python, HTML, CSS, JavaScript*

- Built a financial analytics platform aggregating market data across 200+ PSE-listed companies via web scraping.
- Standardized inconsistent data sources into a unified schema, enabling performance comparison and trend analysis.