

# MIKHAIL SEBASTIEN TABONG

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## Education

### University of Maryland, College Park

*Bachelor of Science, Information Science*

**Aug 2023 - May 2026**

*College Park, MD*

- **Achievements:** Certification: Google Data Analytics Professional Certificate — Data cleaning, SQL, R, Tableau, case-based analysis
- **Coursework:** Data Science, Data Visualization, Data Science Techniques, Health Data Analytics, Database Design & Modeling, Application of R for Data Science

## Skills

- **Data & Analytics:** Python, SQL, R, PowerBI, Tableau, MS Office Suite
- **Technical:** Git, Linux, Docker, REST APIs
- **Compliance & Others:** AML Investigations, KYC/EDD, Regulatory Reporting
- **Professional:** Communication, Problem Solving, Collaboration

## Experience

### Protiviti | *Financial Crimes Data Analyst*

**Jun 2025 - Present**

- Queried legacy transaction systems (BlueZone/Ovation) and performed enhanced due diligence on high-risk clients using LexisNexis, supporting AML investigations and compliance decisions.
- Streamlined Suspicious Activity Report (SAR) workflows in Oracle FCCM and SAS, maintaining 100% regulatory compliance and timely filings across all assigned cases.
- Analyzed and summarized transaction data using advanced Excel (PivotTables, Power Query), identifying risk patterns and supporting case prioritization.
- Investigated and filed 60+ reports per month, contributing to a 10% backlog reduction and improved throughput for the compliance team.
- Conducted root-cause analysis of flagged transactions using Excel macros and internal systems, improving investigation efficiency for high-risk alerts.

### Chosan | *Data Analyst Intern*

**Oct 2024 - Jan 2025**

- Developed SQL ETL pipelines for weekly data ingestion and automated quality checks from 150+ sources.
- Designed Tableau dashboards for 10+ KPIs, automating stakeholder reporting and saving 10+ hours per month.
- Partnered with product and logistics teams to define data models and schema logic for contractor operations, improving reporting accuracy.
- Created documentation and dashboard training materials to support onboarding and handoff for internal stakeholders.

## Projects

### Spotify Genre Clustering for User Personalization | [LINK](#) | *College of Information*

**Apr 2025 - May 2025**

- Clustered Spotify users by genre preferences using cosine similarity and agglomerative clustering to enable personalized recommendations.
- Applied t-SNE for dimensionality reduction and visualization; delivered actionable cluster insights for product and marketing teams.
- Developed a Flask web app with MySQL backend for real-time user data collection and clustering.
- Standardized and mapped 200+ music genres to consistent clusters to improve model accuracy and reduce noise in user preferences.

### Hepatitis Mortality Prediction Using Machine Learning | [LINK](#) | *College of Information*

**Apr 2025 - May 2025**

- Built a predictive model for hepatitis mortality using the UCI Hepatitis dataset, applying Decision Tree, SVM, and KNN algorithms.
- Performed feature engineering, model tuning, and achieved top ROC-AUC with SVM; evaluated bias and fairness across gender groups.
- Presented model findings to health data analytics class with emphasis on real-world deployment challenges in healthcare ML.

### Superstore Sales Dashboard | [LINK](#) | *Personal Project*

**Apr 2025 - May 2025**

- Designed an interactive Tableau dashboard analyzing 48 months of sales across 4 regions and 3 segments.
- Implemented dynamic filtering and time-based analytics; uncovered a 12% profit drop due to over-discounting.
- Optimized dashboard load time by 35% through extract filter refinement.
- Developed custom calculated fields to enable regional profitability comparisons and high-value customer segmentation.

## Leadership / Extracurricular

### Phi Delta Sigma Fraternity Inc. | *Warden & Fundraising Chair*

**Jan 2023 - Present**

- Led fundraising efforts, raising \$6,000+ and managed logistics for 10+ campus-wide events.