

# Aaron Tyrell MITCHELL

Baltimore, MD

[linkedin.com/in/aarontyrellmitchell](https://www.linkedin.com/in/aarontyrellmitchell)

<https://www.aarontyrellmitchell.com>

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## ANALYTICAL SKILLS

Languages:

Python, R, SQL, T-SQL

Data Analytics & Engineering:

Data cleaning, statistical modeling, machine learning, ETL processes

Tools and Software:

Tableau, Power BI, Excel, STATA

## EXPERIENCE

Data Consultant and Founder | Maderas Partners LLC

Jun 2019 - Present

- Develop data-driven solutions in Python, R, and SQL, focusing on performance evaluation, statistical modeling, and automation
- Served as an expert witness in multiple civil legal proceedings, leveraging data analytics to secure over \$100M in unpaid wages for hourly employees across various industries
- Designed and deployed a suite of Tableau visualizations for an international nonprofit, mapping project locations, intervention types, and measurable outcomes to support strategic decision-making and stakeholder transparency
- Automated data retrieval through third-party APIs for real-time revenue and subscription metrics, providing strategic insights to senior leadership at a multinational athletic training firm
- Developed econometric models in Stata to evaluate the effectiveness of World Bank-funded impact investments in early-stage companies across Africa, Latin America, and Southeast Asia
- Built and maintained a multi-year performance monitoring system using Python and SQL for the largest U.S. public school district, tracking academic outcomes across 2,000+ multilingual students.

Data Analyst | Expeditors International

Jan 2018 – Jun 2019

- Designed and deployed a machine learning model using customer usage data from a global customs and freight logistics SaaS platform to forecast churn risk and improve subscription retention
- Automated customer billing processes, reducing monthly processing time from two weeks to three days

Economic Analyst | Oxford Business Group

Apr 2016 – Sep 2017

- Researched and authored investment-focused reports on emerging African economies, analyzing macroeconomic trends, capital markets, and banking sectors to inform international investors
- Conducted over 100 interviews across West Africa with industry leaders, policy makers, and central bankers

Economic Research Assistant | Millennium Challenge Corporation

Oct 2013 – Jan 2016

- Conducted impact assessments of renewable energy and infrastructure projects in SE Asia and Sub-Saharan Africa

Foreign Service Officer | U.S. Department of State

Sep 2008 – Aug 2013

- Appointed as diplomat to U.S. Embassies and Consulates in France, Gabon, the Dominican Republic, and Barbados
- Managed international visa operations and compliance teams.

Analyst | PricewaterhouseCoopers

Jan 2005 – Jun 2006

- Performed statistical modeling to price options, restricted stock, and other employee equity incentives

Capital Markets Analyst | Thomson Financial

Jan 2004 – Jan 2005

- Supported investor relations strategy by monitoring stock performance, analyzing institutional trading activity, and briefing clients on market trends, competitor moves, and events likely to impact shareholder sentiment.

EDUCATION

- Master of International Affairs in International Economics | Columbia University May 2008
- Bachelor of Arts in Government | Georgetown University May 2001

COMMUNITY LEADERSHIP

Financial Secretary and Archivist | Local Homeowners Association Dec 2025 – Present