



GEORGE J.J.T.A. HAYWARD, Optimist

george@hayward.fyi • [LinkedIn](#) • [HackerRank](#) • [Github](#) • [Stack Overflow](#) • [Stand-Up](#)

Code-Cracking Comedian Solves Problems with Laughter, Logic, & Legal Savvy. Mom worked as a bus monitor; Dad was disabled. They taught optimism, work ethic, & creativity. The Lord Always Delivers!

EXPERIENCE

Sound Recipe

Founder, CEO, & CTO

New York, NY

2022 - present

- [Launched Sound Recipe iOS App](#) in Apple App Store; masterminded all code; all design; all legal; all marketing.
- Wrote all data scripts and automation design to export any public Spotify playlist to a beautiful spreadsheet.

Meta, Messenger

Senior Data Scientist, Product Analytics

New York, NY

2019 - 2022

- Upheld highest user data, legal, and ethical standards—at all times. Read more [here](#) and [here](#).
- Promoted to Senior Data Scientist in 1 year, demonstrating exceptional performance.
- Created novel in-production ML anomaly detection system, “*Battery Beloved*,” saving 100’s of eng. hours.
- Published “*Automate a Python Script at Facebook*.” Praised as: “a foundation for **all Python engineers at Meta.**” Added to “Python @ FB” training docs. Inspired Meta-wide solution, “*Bento Scheduled Notebooks*.”
- Created dynamic disk pressure metric, *Weeks Till Full* (“WTF”), for all of Instagram, Messenger, & Facebook.
- Developed first-of-its-kind Performance, Reliability, and Efficiency Quality user survey to connect perception to ‘under-the-hood’ app metrics, led power analysis, control flow, language editing, and won initial approval.
- Unblocked eng. team by sizing the impact of an A/B test imbalance; enabled team to ship code to 165m users.
- Directed 20+ person team in 2020 Facebook Hack-a-thon on racial equality making [PoliceReformTracker.com](#).

Hayward Data Science

Senior Data Scientist & Founder

New York, NY

2019 - present

- Built advanced churn/conversion prediction system for acquired ML startup (see [Letter of Reference](#)).
- Selected as Mentor on [SharpestMinds](#); commended for “transformational advice” & “going above and beyond.”
- Wrote news analysis [Drudgify Python ETL script](#); scraped Drudge Report daily for 4+ yrs. w/ 97% uptime.
- Led dispensary analysis for publicly-traded cannabis holding firm; found 7 key revenue predictors out of 3,100.
- Created Shopify recommendation Python script via count vectorizers for SKU tags & cosine similarity.

Google, Area120, Tailor (Fashion Tech Startup)

Data Scientist (contract)

San Francisco, CA

2018 - 2019

- Built team’s first predictive model for customer lifetime value; automated GoogleSQL scripts to report it.

Hayward Law

Attorney

New York, NY

2022 - present

- Represented buyer *pro bono* in \$200k transaction to keep Brooklyn bar open—saving 13 jobs! More on it [here](#).

Hayward Motivational Comedy

Stand-up

San Francisco, CA; New York, NY; Los Angeles, CA; Tokyo, Japan

2017 - present

- Completed [7-city “Faith is Hard doubt is easy”](#) tour; won 4x Harlem Nights Paid-by-the-Bell, set 42-bell record.

Morgan Stanley

Investment Banking Analyst, Public Finance

New York, NY

2011 - 2013

- Provided quantitative analysis on \$3.5 billion of city, state, or otherwise tax-exempt financings, including:
 - \$1.32b, New Jersey Transportation Trust Fund Auth. (2011); \$224m, Con Edison (2012)

SKILLS & LEADERSHIP

- **Talks:** [Sermon](#), [Motivation](#), [Hold The Line](#), [Talk to Em](#), [Good News](#), [Not By Adversity](#), [Towards Data Science](#).
- **Skills:** Swift, SQL, R, Python, ML, XGBoost, ETL, AWS Lambda, Google Cloud, Photoshop, Premier, Excel.
- **ML Projects:** [Time Series](#), [A/B Test](#), [Clustering](#), [NLP](#), [Neural Network](#), [Regression & Classification](#), [Playlists](#).
- **HackerRank:** Python, Gold Level (★★★★★); SQL, Gold Level (★★★★★), [Ranked #1](#) on Global Leaderboard.

INTERESTS

Chess, Gershwin, Notorious B.I.G., [J. Dilla](#), Astrophysics, Fried chicken, Oratory, Stand-up, SQL, Running, Jazz, Giraffes.



EDUCATION

London App Brewery, Dr. Angela Yu, iOS & Swift, *Complete Development Bootcamp* (~500 hours) 2023

Codecademy, Data Science Path, *Python, Machine Learning, Statistics* (~350 hours) 2019

Stanford University, JD/MBA in Comedy, *Stanford Law Review*, *Admitted to CA State Bar and NY State Bar* 2018

New Organizing Institute, Data Bootcamp, *Political Campaign Data Management, VAN, GIS, SQL* 2014

Harvard College, B.A. in Government, *Black Students Association Political Action Chair* 2011

Phillips Exeter Academy, High Honors, *Full Academic Scholarship; President of Afro-Latino Exonian Society* 2007