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.
Mother was a bus monitor, Father was disabled, and they taught optimism: *The Lord Always Delivers!*

EXPERIENCE

Sound Recipe   **New York, NY**
Founder, CEO, & CTO   *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   **New York, NY**
Senior Data Scientist, Product Analytics   *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   **New York, NY**
Senior Data Scientist & Founder   *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)   **San Francisco, CA**
Data Scientist (contract)   *2018 - 2019*
- Built team's first predictive model for customer lifetime value; automated GoogleSQL scripts to report it.

Hayward Law   **New York, NY**
Attorney   *2022 - present*
- Represented buyer *pro bono* in $200k transaction to keep Brooklyn bar open—saving 13 jobs! More on it here.

Hayward Motivational Comedy   **San Francisco, CA; New York, NY; Los Angeles, CA; Tokyo, Japan**
Stand-up   *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   **New York, NY**
Investment Banking Analyst, Public Finance   *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*