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

george@hayward.fyi • LinkedIn • HackerRank • Github • App Store • Stand-Up

Data Scientist, Engineer, Attorney, Stand-Up, Minister. 10+ yrs. experience. Mother worked as a bus monitor; Father was disabled. They taught optimism, work ethic, & creativity. 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.
- Created first-of-its-kind in-production ML anomaly detection system, "*Battery Beloved.*" Led project in Meta's Machine Learning Accelerator tracking battery drain for Android Messenger users. Published internal Wiki, "*Step-By-Step Guide to In-Production Machine Learning Model: Battery Beloved, as example (w/ XGBoost).*"
- Published "*Automate a Python Script at Facebook & More: A Visual Guide*" internal Wiki, providing "a foundation for **all Python engineers at Meta.**" Added to official "Python @ FB" training documentation. Reaction to this Wiki catalyzed creation of a Meta-wide automation solution, "*Bento Scheduled Notebooks."*
- Created new disk pressure metric, *Weeks Till Full ("WTF)*" for all users of Instagram, Messenger, & Facebook App. Developed Orange/Yellow/Red zones for disk pressure for Meta's end-to-end messaging encryption.
- 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.
- Provided statistical analysis in R unblocking an entire engineering team by sizing (95% CI) the impact of an imbalance on a key metric in the A/B test. This enabled the team to ship the product to 165 million people.
- 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 Drudgify Python ETL script which has scraped the Drudge Report daily for 4+ years (97% uptime).
- Led dispensary analysis for publicly-traded cannabis holding firm; found 7 key revenue predictors out of 3100.
- Created content-based recommendation Python script via count vectorizers for SKU tags & cosine similarity.

Google, Area120, Tailor (Fashion Tech Startup Within Google)			**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.

SKILLS & LEADERSHIP

- **Fam:** Need of 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, *(~350 hours) Python, Machine Learning, Statistics*		*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*