



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

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Data Scientist - 8 yrs. experience & training. Led Biz Analytics at Google startup (SQL/Python/R). Skilled orator. Mom worked as a bus monitor; Dad was disabled. They taught optimism, work ethic, & creativity.

EXPERIENCE

Google, Area120, Tailor (Fashion Tech Startup)

San Francisco, CA

Business Analytics Lead (contract)

2018 - 2019

- Built team's first predictive model for customer lifetime value. Analyzed over 200,000 users via R regressions, Excel modeling, logistic regression classifications, and linear optimizations in Google's Learning Powerhouse; built iterative automated Google SQL (BigQuery) scripts to run it; set up a daily report and a dashboard.
- Analyzed A/B test results for 3,000 users showing that "liked items on sale" was our best push notification.
- Wrote SQL Plx scripts and created the automated workflow for an hourly order priority score to rank orders based on average dollar amount, user target status, and time since placement, so that the most important orders could be placed first; briefed the Head of E-commerce Operations with an automated hourly update email.
- Developed daily email e-commerce report updating team on purchase metrics and created tracking dashboard.
- Ran user first-purchase analysis finding that 80% of users, if they purchased, did so in their first 4 days in app.
- Led customer random sample analysis in R to use line-by-line human evaluation to gain customer insights at scale. Example: I reported to our CEO that 50% of users' fashion choices were inspired by celebrities.
- Executed shipping sensitivity and break-even analysis demonstrating when free shipping could be profitable, and how much shipping currently cost the company; recommended shipping options for Tailor app.
- Created special segments in Google Analytics to show user event flow on mobile; sent methodology to team.
- Wrote SQL queries tracking and analyzing Tailor purchase OKRs and KPIs including users to convert, most profitable brands, most popular clothing type, time to respond, subscriber churn, spam, & many others.

Hayward Motivational Comedy, Inc.

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

Sole Co-Founder & Stand-up Comedian

2017-present

- A/B tested material; headlined & marketed "Lake Reporter" show at Broadway Comedy Club in NYC, raised \$700+ for Kara Grief Support; booked 4x at Flappers Comedy Club in LA, performed in Main Room (seats 225).

California Office of the Attorney General, Kamala Harris

San Francisco, CA

Legal Intern, Consumer Law Section

2015

- Conducted legal research in the sub-prime auto loan and for-profit college industries; visited San Quentin prison.

Cory Booker for United States Senate

Newark, NJ

Fellow, Policy & Advance

2013

- Analyzed data in NGP VAN database for voter outreach; updated donor database; drafted policy memos.

Morgan Stanley

New York, NY

Investment Banking Analyst, Public Finance

2011-2013

- Built SQL database in MS Access; drafted RFP responses & modeled complex debt solutions for cities/states, including New Jersey, Illinois, Missouri, Georgia, New Hampshire, Tennessee, & Maryland for over \$3.7 bn.
- Modeled complex debt structures and ran quantitative data analysis for the following debt issuances:
 - \$1.32 bn, NJ Trans. Trust Fund Auth. (Nov. 2011); \$120 mm, City of Nashville, TN (Jan. 2012); \$443 mm, DC Water & Sewer Auth. (Mar. 2012); \$847 mm, IL Met. Pier & Expo. Auth. (June 2012).
 - \$94 mm, US Steel Corp. (Aug. 2012); \$250 mm, Alcoa Inc. (Aug. 2012); \$224 mm, Con Edison (Nov. 2012); \$51 mm, ArcelorMittal (Nov. 2012); \$99.7 mm, Entergy AR (Jan. 2013).

LEADERSHIP & SKILLS

- **Speeches:** [Talk to Em](#) (500+), [The Good News](#) (300+), [Not Defined By Adversity](#) (400+), [Jussie Smollett](#) (40+).
- **Analysis:** SQL (BigQuery, PostgreSQL, MySQL), Python (pandas, scikit-learn, xgboost, sqlite, numpy, scipy, altair, os, yagmail, beautifulsoup), R, Tableau, Machine Learning, ETL, Google Analytics, AWS Lambda, Excel.
- **HackerRank:** Python, Gold Level (★★★★★); SQL, Gold Level (★★★★★)

INTERESTS

Chess, Gershwin, Notorious B.I.G., J. Dilla, Astrophysics, Fried chicken, Speeches, Stand-up, SQL, Running, Jazz, Happy.

EDUCATION

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

2019

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

2018

- Selected Courses: Optimization and Simulation Modeling; Measuring Impact in Practice; Data and Decisions

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

- Selected Courses: Multivariable Calculus; Calculus, Series, and Differential Equations