Hilary Parker

hilaryparker.com
me@hilaryparker.com
twitter.com/hspter

77 Van Ness Ave Ste 101
San Francisco, CA 94102

EXPERIENCE

Data Science Product Manager -- Biden for President (remote)
AUGUST 2020 - NOVEMBER 2020

Managed a complex deployment cycle with multiple stakeholders and QA checkpoints for all the voter-level scores produced by the central Data Science team (e.g. support probability, turnout probability used at national and state levels by all analytics teams). Successfully completed the cycle with zero incidents of score rollbacks. Advised on statistical modeling choices and provided code review for voter-level modeling as well as overall polling.

Designed and implemented voter-survey research to estimate the number of "mailed-by-deadline-but-not-yet-received" ballots in key swing states such as NV and PA. Provided estimates on election night (and beyond) which were used by the Chief Analytics Officer to shape public messaging about the election outcome.

Data Scientist -- Stitch Fix (San Francisco, CA)
MAY 2016 - AUGUST 2020

Drove company-wide initiative to use outfits as a core client-facing algorithmic product by establishing foundational system framework, building data-collection platform to power multiple algorithms, and partnering with product, creative, strategy, and merchandising to leverage creative IP in the form of data, QA algorithmic output and prototype client-facing experiences (Wired). Primary inventor on patent for this system and downstream applications (US Patent Application 20200302506, notice of allowance received, pending final grant).

Provided decision and strategic support for the evolution of the Stitch Fix experience into an interactive client-facing experience, such as the introduction of client-facing quizzes, and addressing technical debt associated with over-reliance on direct client answers to specific onboarding questions.

Senior Data Analyst -- Etsy, Inc. (Brooklyn, NY)
JUNE 2013 - MARCH 2016

Developed statistical methodology (hypothesis testing, generalized linear modeling, survival analysis, multiple-testing correction) and process for the design and analysis of online experiments. Influenced buyer-facing product development with experimentation, exploratory data analysis, and opportunity sizing with deliverables ranging from ad-hoc analyses to internal white papers.

EDUCATION

Ph.D., Biostatistics -- Johns Hopkins Bloomberg School of Public Health
(Baltimore, MD)
AUGUST 2008 - MAY 2013

B.A., Mathematics; B.A., Molecular Biology -- Pomona College (Claremont, CA)
AUGUST 2004 - MAY 2008

SKILLS

R (expert), SQL, SparkSQL, PySpark, Python