

Roban Hultman Kramer

CONTACT 248 W Upper Ferry Rd
INFORMATION Ewing, NJ 08628
Cell: 347-426-6662

robanhk@gmail.com
<http://roban.github.io>

SUMMARY Machine Learning Engineer and Data Scientist, experienced in building production machine learning systems for real-time decision optimization.

EMPLOYMENT

Machine Learning Engineer, Stripe, 2015 - present
remote from Baltimore and New Jersey

ML Engineer (2020 - present) – real-time decision optimization

I design machine-learning systems to make real-time decisions that maximize long-term value of payments products for Stripe's users.

ML Engineering Manager (2018 - 2020) – loss-risk modeling

I grew a team from two to five engineers which used both machine learning and probabilistic programming / Bayesian modeling techniques to understand and predict user activity and loss risk.

ML Engineer (2015 - 2018) – real-time transaction fraud modeling

I worked on real-time models that make critical decisions in the payment flow to protect Stripe users from fraud.

Data Scientist, Gerson Lehrman Group

New York City and remote from Baltimore, 2012 - 2015

Zwicky Prize Postdoctoral Fellow,

ETH Zürich (Swiss Federal Institute of Technology)

Zürich, Switzerland, 2010 - 2012

TECHNICAL SKILLS **Programming:** Scala, Python, Ruby, SQL, Javascript, d3, Perl, Mathematica.

Machine Learning Models and Applications: risk modeling, causal inference, ML-driven decision optimization, recommendation engines, natural language processing, classification and regression models, booster trees, random forests, deep neural nets, unsupervised clustering, Bayesian probabilistic modeling.

EDUCATION **PhD in Astronomy**, Columbia University, 2009

MA and MPhil in Astronomy, Columbia University, 2007

BA in Astrophysics, Swarthmore College, 2003, with High Honors