Roban Hultman Kramer

CONTACT INFORMATION

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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)

ML Engineer (2021 - present) – responsible machine learning
  founding engineer of a team with a mission to decrease systemic barriers to economic participation and play an active role in equalizing access to the internet economy.

ML Engineer (2020 - 2021) – real-time decision optimization
  desiged real-time ML systems to maximize long-term value for Stripe's users.

ML Engineering Manager (2018 - 2020) – loss-risk modeling
  grew a team from 2-5 engineers to use both ML and Bayesian probabilistic programming to predict user activity and loss risk.

ML Engineer (2015 - 2018) – real-time transaction fraud modeling
  eal-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, Javascript, d3, Perl, Mathematica.

Machine Learning Models and Applications: responsible machine learning (fairness, accountability, and transparency), risk and fraud modeling, decision optimization, recommendation engines, classification and regression models, boosted trees, deep neural nets, unsupervised clustering, Bayesian probabilistic modeling.

Full Stack Development:
HTML, CSS, Javascript, AWS, Apache, Nginx, MongoDB, Linux system administration.

EDUCATION

PhD in Astronomy, Columbia University, 2009

MA and MPhil in Astronomy, Columbia University, 2007

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