Aaron Springer

Experience

2018-06 - 2018-09

Data Scientist Intern | Cloud

Google

- Supervised by Joy Thomas
- Created explanation capabilities for a complex machine learning pipeline
- Developed novel method for adaptable dashboards for high dimensional data
- Partnered with Product Manager to interview customers and define product direction

2017-07 - 2018-12

Research Intern | Human-AI Interaction

Spotify

- Supervised by Henriette Cramer
- Identified data and algorithmic biases detrimental to performance in a voice interface
- Developed method to fix biases, improving revenue producing metric by ~1%
- Work resulted in 2 provisional patents and a full patent application

2016-06 - 2017-12

Research Intern | Interactions and Analytics Lab

Xerox PARC

- Supervised by Peter Pirolli
- Designed and orchestrated longitudinal randomized controlled trial
- Analyzed results using mixed-effects logistic regression
- Designed novel Just-In-Time Adaptive Intervention experiment

2014-09 - present

Graduate Student Researcher | HCI Lab

University of California Santa Cruz

- Advised by Steve Whittaker
- Designed and implemented production machine learning backend forecasting personal mood and recommending positive activities
- Developed an interactive machine learning system that predicts user mood
- Evaluated user trust and perceptions both quantitatively and qualitatively in intelligent systems

2013-01 - 2014-09

Full Stack Software Engineer

Vistashare

Education

2014-09 - present

University of California Santa Cruz, Computer Science, PhD

Expected Spring 2019

Selected First-Author Publications

2018 Play PRBLMS: Identifying and Correcting Less Accessible Content in Voice Interfaces | *CHI*

2018 Mood modeling: accuracy depends on active logging and reflection | *Personal and Ubiquitous Computing*

2018 Leveraging self-affirmation to improve behavior change: a mobile health app experiment | *JMIR uHealth and mHealth*

2018 What Are You Hiding? Algorithmic Transparency and User Perceptions | *AAAI UXofAI*

Personal Info

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Website

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Google Scholar

https://scholar.google.com/citations?user=oJ1qhDEAAAAJ&hl=en

LinkedIn

https://www.linkedin.com/in/aaron-springer-87b5a2136

Skills

Machine Learning: Regression, Classification, and Unsupervised Learning

Quantitative Analysis: Hypothesis Testing, Mixed Effects Models, Survival Analysis, Time Series Modeling

Research Methods: A/B Testing, Logs Analysis, Survey Design, Interviews, Think-Aloud

Programming Languages: Python, Javascript, R, HTML5, SQL + Bigquery, Java