

Jacob Solomon

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Positions

Senior Design Researcher	athenahealth	2017-present
Postdoctoral Research Fellow	University of Michigan Medical School	2015-2017
Graduate Research Assistant	Behavior, Information, and Technology Lab at Michigan State University	2010-2015
UX Researcher	University of Michigan (Library, Medical School, and Cancer Center)	2008-2010

Education

PhD, Michigan State University	Media and Information Studies	2015
MSI, University of Michigan	Information Science with Specialization in Human-Computer Interaction	2010
BS & BA, University of Utah	Psychology (Human Factors Engineering Certificate) and Russian	2007

Expertise And Accomplishments

User Experience Research

- Performed formative and evaluative research on 20+ systems and services in areas of healthcare, online communities, computer-mediated communication, recommender systems, e-commerce, analytics, productivity, search, and intelligent systems.
- Identified hundreds of UX issues leading stakeholders to support new design iterations and adopt design recommendations, reallocate development resources to address UX issues, and add UX experts to organizations to support ongoing user-centered design.
- Identified new hypotheses and areas for future design experimentation.

Experiment Design

- Designed, executed, and analyzed 17 online and lab experiments to study user behavior and evaluate system designs.
- Created innovative metrics for evaluating and incentivizing user behavior, leading to award-winning publications and presentations in top human-computer interaction research venues.

Data Science

- Performed statistical analysis, machine learning, and qualitative analysis of 8 large datasets of user behavior, leading to major grant funding, design recommendations, new hypotheses, and publication of results in top research venues.

Web Development

- Built web apps, functional prototypes, and innovative infrastructure to facilitate online user research.

UX Design

- Worked in cross-functional teams of designers, researchers, and engineers to create 10+ apps and systems.

Skills

UX Methods

User testing (remote and in-lab)
Heuristic and competitive analysis
A/B testing
Fractional experiment design
Contextual inquiry
Interviewing
Surveys
Personas
Logs and analytics

Statistical Analysis

Multilevel regression modeling
Non-parametric statistics
Econometric causal inference
Time series analysis
Cluster analysis
Machine learning
Natural language processing.

Programming

Python	Javascript
R	HTML/CSS
Java	Bootstrap/SASS
MySQL	web.py
PHP	jQuery

Information Visualization

ggplot	D3
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UX Software

Morae	Qualtrics
Adobe Suite	Google Analytics