

Nick Hamlin

Social Sector Data Scientist

EDUCATION

Master of Information and Data Science

2016

University of California, Berkeley - Berkeley, CA

Bachelor of Science in Mechanical Engineering

2009

Bachelor of Arts with Research Honors in History

2009

University of Rochester - Rochester, NY

EXPERIENCE

Data Scientist

2017 - Present

Senior Business Intelligence Analyst

2015 - 2017

Business Intelligence Analyst

2013 - 2015

ProInspire Fellow - Operations

2012 - 2013

[GlobalGiving](#) - Washington, DC

- Managed cross-functional team of developers, data scientists, and domain experts to revamp and scale nonprofit vetting services through cloud technology, algorithmic evaluation, and policy updates. Reduced average per application processing time by 65% in first 3 months.
- Led development, implementation, and maintenance of GlobalGiving's social impact tracking framework and algorithm ("GG Rewards") to measure and support growth of 3000+ nonprofits
- Created and managed fraud detection tools/algorithms that have stopped more than \$350K in illegitimate transactions to date.
- Designed and implemented the organization's first formal impact evaluation study on 100+ nonprofit partners in India.
- Fostered a data-driven learning culture by serving as in-house expert on field experiment design, statistical analysis, and data visualization for internal teams as well as outside partners.
- Created an enterprise-level self-serve reporting/BI solution in Atlassian Confluence which now powers end-user data access for entire global staff.

Software Developer/Data Scientist Contractor

2017 - Present

[Root Change](#) - Washington DC

- Created web platform (Flask, D3.js, MongoDB, NetworkX) to enable large-scale network analysis of international development communities funded by [USAID Localworks program](#)
- Led integration of back-end systems with other Localworks partner grantee into single scalable shared NoSQL data resource

Consulting Engineer

2010 - 2012

[Parametric Technology Corporation](#) - Greensburg, PA

- Worked with multi-billion dollar engineering firms and Fortune 100 companies to implement custom reliability and quality data solutions and training classes across product lifecycle. Clients include HP, Blackberry, Raytheon, General Dynamics, Boeing, and Thales Nederland

OTHER SELECTED PROJECTS

AidSight: Information and Insight in the Aid Sector

2016

Synthetic capstone project that identifies and fixes data quality gaps in all International Aid Transparency Initiative (IATI) datasets (10K organizations, 600K projects) using machine learning and data visualization implemented in MongoDB, Scikit-Learn, and D3.js. Platform is now in real-world use at Bond, DFID, and other major aid agencies. More info at [aidsight.org](#).

Mapping the Nepal Earthquake

2015

Collaborative [online data journalism piece](#) using open data/D3.js to tell story of recovery effort following April 2015 Nepal Earthquake.

CONTACT

(202)-642-5387

nickhamlin@gmail.com

nickhamlin.com

[Linkedin](#)/[Github](#): nickhamlin

TOOLS

Python, R, SQL

HTML, CSS, JS

Git, Github, JIRA, Confluence, Stash

Hadoop Streaming, Spark (in Python)

Tableau, D3

AWS (S3, EC2, EMR, EBS, Lambda, Step Functions)

Salesforce, Excel

SPECIALTIES

Teaching

Experiment design

On-the-ground global collaboration

Public speaking and performance

Workshop design

AWARDS

"Never Settle" Staff Appreciation Award, GlobalGiving

Full-Tuition Renaissance Scholar, University of Rochester

Take 5 Scholar, University of Rochester

ProInspire Fellowship

Phi Beta Kappa

Tau Beta Pi/Phi Alpha Theta

Keideieans Senior Honor Society, University of Rochester

Charles L. Newton Engineering Research Prize, University of Rochester

Early Leaders Award, Simon School of Business, University of Rochester

Eagle Scout