Joshua Richardson, PhD, MS, MLIS, FAMIA

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Director of Digital Health Solutions

Expert informatics leader who has leveraged clinical standards (HL7 FHIR, SMART-on-FHIR, SNOMED, etc.) to successfully implement interoperable patient and clinician-facing decision support in EHRs that improved shared decision-making and satisfaction in chronic pain care. Leading user experience researcher on clinicians and patients including mobile health and wearables investigations that detailed user needs for promoting engagement and care coordination. Business development innovator who has built numerous partnerships including the launch of a first-of-its-kind commercial-academic program for funding early career researchers. Advisory Board Member and 2x co-chair who attracted over 400 attendees to international conferences that featured leading researchers, clinicians, and healthcare organizations in health AI and machine learning. Experienced writer and presenter with over 200 peer-reviewed articles, reports, and briefs in and around health AI, clinical decision support, mobile health, electronic quality measures, and more.

RELEVANT PROFESSIONAL SKILLS

- *Digital Health*
- *Artificial Intelligence*
- *Machine Learning*

- *Product Management*
- *Project Management*
- *Agile and Scrum*

- *Qualitative Research*
- *Quantitative Research*
- *Dissemination*

RELEVANT PROFESSIONAL EXPERIENCE

University Of Michigan, Health AI Public Perceptions Project

Consultant   September 2024 to March 2025

I advised on efforts for a $750k NIH NIBIB grant that took a patient-inclusive approach to health AI's development, governance, and oversight.

- Led 5 focus groups to investigate patient perceptions and preferences for health AI to inform AI governance strategies and national policies.
- Publishing a forthcoming article on a prototype health AI "nutrition label" based on my advising and co-planning for online interactive design sprints.

Northwestern Feinberg Medical School, Galter Library

Senior Research Scientist   July 2024 - January 2025

I collaborated with for-profit and nonprofit entities on NIH-funded projects around data governance in biomedicine for advancing FAIR principles that benefit both digital health and open science.

- Collaborated with 7 institutions and the NIH on the "GREI Initiative" to generate published best practices for open data submissions and a forthcoming peer-reviewed article on strategic partnerships through "coopetition".

- Co-chaired an inaugural NIH-funded work group that engaged over 50 research leaders nationwide to determine common metrics of successful implementations.

RTI International

Research Health IT Scientist   September 2015 - March 2024

I led over 20 projects and tasks in partnership with academic medical center stakeholders, clinical end users, and federal funders that informed decision support and data policy and standards.

- Directed the roll out 2 SMART-on-FHIR decision support apps across 2 leading academic medical centers' outpatient and specialty clinics that improved satisfaction and decision readiness for chronic pain management.
- Launched a $100,000 first-of-its kind cross-institutional initiative by aligning C-suite leadership and 10 department heads to collaboratively fund and award 2 research projects to early investigators.
- Organized 4 national conferences, a webinar series,. and hackathon that produced research, reports, and recommendations for a public-private, patient-centered CDS ecosystem.

Weill Cornell Medicine

Assistant Library Director for Clinical Services & Assistant Professor   June 2013 - August 2015

Managed a cross-functional team, oversaw decision support accounts, and rounded with clinical teams to deliver reference and educational services to hospital and academic stakeholders.

- Executed outreach strategies to deliver clinical decision support and educational tools on mobile devices within academic medical center hospital departments and 300+ clinicians.
- Managed a cross-functional team of academic medical center librarians to deliver data science, bioinformatics, consumer health, and research services to researchers, clinicians, and medical students.
- Liaised with clinical teams in multiple hospital units on a daily basis to deliver same-day research reference reports and just-in-time education.

Weill Cornell Medicine

Instructor   December 2010 - May 2013

Published and presented findings that informed New York State policies and investments through informatics research on the impacts of EHR implementations, care coordination tools, and HIE.

- Published multiple peer-reviewed research articles (cited 500+ times) on digital health interventions in multiple care settings including primary care and home health.
- Designed, led, and managed 2 masters-level courses on digital health: Health Information Exchange, Privacy & Security (Weill Cornell); and Health Information Technology & Quality (Cornell Sloan Master of Health Administration).

National Library Of Medicine (Oregon Health & Science University)

NLM Fellow   August 2005 - September 2010

Published and presented findings that informed leading edge decision support knowledge management practices and technology-enhanced communication across clinical environments.

- Led an interview and observation-based investigation to discover the challenges and solutions to using commercial clinical decision support tools within community-based practices, such tools to reduce cognitive load in practice.
- Drove peer-reviewed research on 2 projects on the early adoption of VoIP technology within clinical settings that led to greater awareness of its impacts on clinician communication, clinical workflows, and hospital IT architectures.

EDUCATION

Northwestern University School Of Professional Studies   November 2024 - May 2025
Certificate, Artificial Intelligence & Machine Learning

Oregon Health & Science University   August 2005 - September 2010
PhD And MS, Medical Informatics

San Jose State University   September 1999 - June 2001
MLIS, Library And Information Science

San Francisco State University   September 1996 - June 1998
BA, History

OTHER HIGHLIGHTS

Advisory Board Member, MCBK	September 2022 - Present
AMIA Industry Partnership Council (IPC) Member	September 2019 - December 2024
Co-Chair, MCBK Trust & Policy Working Group	September 2022 - September 2024
CDSiC Patient-Centeredness and Trust Working Group	January 2023 - December 2023
Adjunct Assistant Professor, Rush University	March 2021 - March 2023
RTI Career Author Award	May 2023
RTI Highly Cited Author	May 2020 - May 2023
RTI Highly Published Author	May 2016 - May 2023
American Medical Informatics Association Fellow (FAMIA)	May 2022
AMIA CDS Working Group Member-at-Large	May 2017 - September 2019
AMIA Work Group Steering Committee Member	May 2017 - April 2018
HIMSS Oregon Advocacy Chair	September 2009 - August 2010
HIMSS Oregon Leadership Conference Representative	2009
HIMSS Oregon Conference Planning Committee	2009