

Professional Summary

Physician turned clinical data consultant and entrepreneur, with 3 years of patient care at Tufts and abroad, and a 10-year track record of EHR, decision making and interoperability consulting. People-focused with exceptional ability to lead emotionally. Extensive clinical data analytics practice working with a wide variety of clinical datasets from payers, health systems, pharma and HIEs. Successful track record in delivering health data products based on data generated from user research and using design thinking methods. Named one of [HIMSS Future 50](#), and published author and presenter on [FHIR at HL7 Roundtables](#), and [AHIMA on clinical data integrity](#) and burnout. Active advisor and angel investor in early stage digital health startups. Published author and confident speaker, with extensive healthcare network.

Professional History

California Center for Functional Medicine [2020–2023] Advanced Analytics Director

- Built a patient-facing solution by integrating automated daily data from Oura API, Subjective Survey, Lab Results, and EMR records into an intuitive data visualization in Tableau that improved Lyme disease patient retention and engagement.
- Lead a team of data engineers and a UX researcher to deliver technology that is complex to build but easy to use. Synthesized new insights leading to the right product with minimal costs.
- Apprenticeship by [Steve Wexler](#), Tableau industry veteran and world class educator.

USA HEALTH - University Hospital of South Alabama [2022] Consultant

- Improved patient waiting time in surgery by integrating clinical data pipelines from Cerner to Tableau dashboards that informed doctors and nurses for optimization.
- Identified staff need, and proactively designed course that **improved data literacy by 40%** as measured by surveys, and clinical data utilization by 7x as shown by Tableau data server analytics.

University of California - San Diego [2021] Consultant

- Built data visualization in Google Data Studio that made systematic review of Compassion Measures accessible to the public for the first time.

John W Brick Foundation [2019] Consultant

- Built Tableau dashboard that allows users to explore relationships between mental health outcomes and different methods of exercise.

Clarity Insights (Acquired by Accenture AI) [2015–2019] Clinical Solutions Lead, Healthcare & Life Sciences.

- Lead Interoperability solution that mapped CDA and other HL7 formats to FHIR using python, transforming clinical data consumption and generating \$3.2M engagements before acquisition.
- Built solutions that matched SNOMED-CT to ICD 10, standardizing information across different EMRs and generating \$1.6M in Risk Adjustment revenue in the first six months.
- Published white paper titled “Pioneering Clinical Data Analytics with FHIR” that was selected in HL7 Roundtables in New Orleans, and was the first ever demo of Lab result transformations using Entity Resolution. Our solution created LOINC standards and FHIR resources from non standardized flat files.
- Built 20+ Tableau Data Visualization designed for specific executives, and worked as a liaison between CTO/CIO and data science team, constantly bridging communication gaps and ensuring excellent delivery.
- Experienced in building databases, data marts, and advising on strategic data architecture for various clinical and biometric data.

Keas, Mendel AI and Health 2.0 [2013–2015] Clinical Analytics Internships

Clinical Skill Set

- **Data Knowledge** | Clinical Data Specialist, with deep knowledge of HL7/FHIR/SNOMED/ICD/RxNorm
- **Practices** | Data Visualization, Data Management, Database Design, Data Science, Design Thinking, Health Coaching
- **Passions** | Writing, speaking, burnout prevention, data-driven wellbeing, community and collaboration.

Education

- Certified by Tableau 2015, MIT Data Science program 2016 and Functional Medicine Coaching Academy 2020.
- Masters of International Business, Hult International Business School - 2014
- Doctorate of Medicine, Bachelor of Medicine & Surgery, Ain Shams University and Tufts - 2011, 2013