Yaniv Kerem, MD

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Executive Summary

Clinical informatics trained emergency medicine physician, wired to make clear, rapid decisions in high stakes situations. Demonstrated ability for breaking down large problems into manageable, functional solutions, assembling the right team, and executing on plan. Team-focused and collaborative, excels at coaching and influencing change across individuals and teams to help them perform and succeed.

Professional Experience

Kaiser Permanente | Redwood City, CA 2015 - present

Physician (part-time), Department of Emergency Medicine

- Direct multidisciplinary team in treatment of patients in high acuity setting
- Rapid decision making in high stress environment with little room for error

Google | Mountain View, CA & Miami, FL 2022 - 2023

Clinical Specialist, Health

- Provided guidance, insights, and direction on products and features for Google's Search and Fitbit/Pixel product areas
- Engaged with cross-functional teams to develop intuitive tools that help improve health journeys for consumers
- Deployed safe, effective, and compliant products aimed at achieving better health outcomes for consumers

Apple | Cupertino, CA 2019 - 2022

Clinical Health Informaticist & Engineering Manager, Health Software

- Led team effort to design, develop, implement, and deliver multiple consumer health products, including Health Records and Medications features
- Partnered with engineering teams to develop knowledge graph utilizing medical ontologies, including SNOMED, ICD-9/10, CPT, LOINC, and RxNorm, to power consumer health products
- Collaborated with design, marketing, regulatory, legal, and business teams to deliver products
- Nurtured and sustained external vendor relationships

Jawbone Health | San Francisco, CA 2017 - 2019

Vice President, Health Informatics

- Leadership team member responsible for driving product execution across multiple teams and dependencies
- Led development and implementation of core health informatics and data strategy
- Formulated strategic pillars that served as the framework for user experience
- Mentored and advised employees in a range of topics, including communication, conflict mediation, and career guidance

Google | Mountain View, CA 2016 - 2017

Clinical Fellow, Medical Brain

- Advised the development of AI tools in the healthcare space
- Provided domain expertise and guidance to engineering teams

Education

Stanford University | Stanford, CA 2015 - 2017
Fellow, *Clinical Informatics*

University of Chicago Medicine | Chicago, IL 2012 - 2015
Resident & Flight Physician, Section of Emergency Medicine

University of Chicago (NorthShore) | Evanston, IL 2010 - 2011
Resident, Transitional Year, Department of Medicine

Loyola University Stritch School of Medicine | Maywood, IL 2006 - 2010
Doctor of Medicine

Yeshiva University | New York, NY 2001 - 2005
Bachelor of Arts, Economics, cum laude

Fellowship Projects

Stanford Children's Health 2016 - 2017
Improvement of Chronic Disease Management Using Remotely Generated Patient Data

- Helped patients with chronic disease and their family track care plans with remotely generated patient data using Apple's ResearchKit and CareKit frameworks
- Integrated remotely generated patient data into the electronic medical record using Apple's HealthKit framework
- Streamlined monitoring of patient data for clinicians to improve care for patients
- Automated clinical processes to enhance the understanding of complex disease patterns

Stanford Health Care 2016 - 2017
Electronic Medical Records and the Root Cause of Physician Burnout

- Designed and co-led a qualitative research project to identify causes of physician burnout from electronic medical record interactions
- Used findings to launch hospital-wide initiative to improve physician satisfaction and well-being

Publications

Skeff KM, Brown-Johnson CG, Asch SM, Zionts DL, Winget M, Kerem Y. Professional behavior and value erosion: a qualitative study of physicians and the electronic health record. Journal of Healthcare Management. 67(5):339-352, 2022 Sep

Aschbacher K, Yilmaz D, Kerem Y, Crawford S, Benaron D, Liu J, Eaton M, Tison G, Olgin J, Li Y, Marcus G. Atrial fibrillation detection from raw photoplethysmography waveforms: A deep learning application. Heart Rhythm O2. 1(1):3-9, 2020 Apr

Gotlibovych I, Crawford S, Goyal D, Liu J, Kerem Y, Benaron D, Yilmaz D, Marcus G, Li Y. End-to-end deep learning from raw sensor data: atrial fibrillation detection using wearables. arXiv:1807.10707. 1-7, 2018 Jul

Publications (cont'd)

Mao Q, Jay M, Hoffman J, Calvert J, Barton C, Shimabukuro D, Shieh L, Chettipally U, Fletcher G, Kerem Y, Zhou Y, Das R. Multicentre validation of a sepsis prediction algorithm using only vital sign data in the emergency department, general ward and ICU. BMJ Open. 8(1):1-11, 2018 Jan

Desautels T, Calvert J, Hoffman J, Mao Q, Jay M, Fletcher G, Barton C, Chettipally U, Kerem Y, Das R. Using transfer learning for improved mortality prediction in a data-scarce hospital setting. Biomedical Informatics Insights. 9:1-8, 2017 Jun

Calvert J, Hoffman J, Barton C, Shimabukuro D, Ries M, Chettipally U, Kerem Y, Jay M, Mataraso S, Das R. Cost and mortality impact of an algorithm-driven sepsis prediction system. Journal of Medical Economics. 20(6):1-11, 2017 Mar

Desautels T, Calvert J, Hoffman J, Jay M, Kerem Y, Shieh L, Shimabukuro D, Chettipally U, Feldman MD, Barton C, Wales DJ, Das R. Prediction of sepsis in the intensive care unit with minimal electronic health record data: a machine learning approach. JMIR Medical Informatics. 4(3):e28, 2016 Sep

Sweis RT, Kerem Y, Waghchoure S, Kulstad EB, Wichter MD. Application of a scoring instrument to predict intracerebral hemorrhage and outcome after thrombolysis for acute ischemic stroke. Journal of Emergencies, Trauma and Shock. 8(3):171-172, 2015 Jul

Kerem Y, Omi EC, Kulstad CE, Kulstad EB. Congruency of disposition after emergency department intubation in a regional database. Annals of Emergency Medicine. 65(2):232-233, 2015 Feb

Kerem Y, Eastvold JS, Faragoi D, Strasburger D, Motzny SE, Kulstad EB. The role of prehospital electrocardiograms in the recognition of ST-segment elevation myocardial infarctions and reperfusion times. The Journal of Emergency Medicine. 46(2):202-207, 2014 Feb

Tekwani KL, Kerem Y, Mistry CD, Sayger BM, Kulstad EB. Emergency department crowding is associated with reduced satisfaction scores in patients discharged from the emergency department. Western Journal of Emergency Medicine. 14(1):11-15, 2013 Feb

Watts HF, Kerem Y, Kulstad EB. Evaluation of the revised trauma and injury severity scores in elderly trauma patients. Journal of Emergencies, Trauma and Shock. 5(2):131-134, 2012 Apr