

RANDALL S. HAWKINS, MD

Bio

While an Associate Engineer at Litton Data Systems, I devised and presented for my 1970 Computer Science MS thesis an algorithm used to create the testing patterns for the first microprocessor, the L-3050. Matriculating in 1972, I returned from Yale Medical School in '76 to UCLA for training in Internal Medicine and Neurology. In 1980, I joined 34 MDs of the now ~700-provider Sharp Rees-Stealy Medical Group and was honored by my peers in the San Diego Medical Society as one of the 'Top Doctors' in my specialty 8 of the last 9 years I practiced. After ~39 years as a Neurological Consultant, I've recently retired from active clinical neurology while retaining my MD license and serving as a Neurological Consultant for Teledoc Health. For 25 years, I was the CIO of our medical group, overseeing deployment and development of Allscripts' TouchWorks EHR. I've recently retired as Sharp Healthcare's Chief Data Strategist.

I believe that medicine can fulfill its promise to use data to fuel innovation by using machine learning to simplify clinical workflows, as has Amazon in digital commerce. By deriving models from clinical and business data, I believe we can eliminate the unnecessary 'clicks' which providers consider unsustainably onerous. The business of medicine can be viewed as a pipeline of transactions. Experience suggests that the lack of an actionable description of this cascade explains the sorry state of EHR platforms and their associated click burden. I have conceptualized an algorithm for deriving such a description from records of our transactions as embodied in EHRs and data warehouses. I'm prepared to develop and deploy this algorithm and the models it creates to predict and assist the execution of transactions which, taken together, constitute clinical encounters. This capturing of the schema that describes healthcare logic from the transactions that are executed is embodied in the name of my company, Logicapture.

I'm currently honored to be a Founder and Chief Technical Officer of the Jayden T. Gillespie Foundation, which is dedicated to making a positive impact upon the lives of disadvantaged young people with mental health disorders.

RS Hawkins