UNCOVER THE FUTURE OF DIGITAL HEALTHCARE TECHNOLOGY

Specialized Certificate in Digital Health

Healthcare is Evolving
The era of healthcare disruption, innovation and transformation has arrived. Join the acceleration of Digital Health and take your professional training in healthcare technology to a new level. Explore key industry trends in emerging digital technologies, examine case studies, and new business models for the healthcare ecosystem. Learn about the Digital Health landscape and opportunities to generate new value for both consumers and organizations.

Frontier Technology
You will examine technology at the intersection of innovation and real-world implementation. Courses provide multidisciplinary training in data science, mHealth, Internet of Medical Things (IoMT), AI, regulatory, genomics, ethics, & behavioral medicine. Industry-leading skills training for the next generation of digital tech leaders working to forward innovation. Examine emerging frontier technologies, connected devices, health blockchain, and engage in dynamic, applied learning activities. Digital badges can be earned to showcase specific skills and competencies.

California Healthcare Tech Startups & Life Sciences Ecosystem
Connect with external experts and real-world practitioners to identify trends and engage with the Digital Health startup community. Innovation and entrepreneurial focus to accelerate strategies for healthcare technology commercialization and business development. In 2018 U.S. Digital Health investment totaled $8.1B, up 42% from 2017. During this period, California accounted for $3.6B of investments, an increase of 1.6B from 2017.
Specialized Certificate in Digital Health
Instructors A-Z

Leading academic and industry practitioners will help you navigate emerging technologies and the Digital Health industry.

Bio: Dr. Haders has 20 years of experience in Healthcare as a scientist, entrepreneur, advisor & investor. Dr. Haders is currently the Managing Director, Healthcare at Nex Cubed a Frontier Technology Venture Studio and Seed Investor, where he oversees an early stage portfolio of 23 Digital Healthcare companies that have raised over $29M in capital. In late 2018, Dr. Haders launched Nex Cubed’s Digital Health Accelerator, which was recently named one of the Top Ten Global Digital Health Accelerators and is one of the most active investors in the industry, deploying $3M across 16 investments in 2019. He is also an Operating Partner at Sway Ventures, a US-based venture capital firm and the Executive Chairman of Repurpose.ai, which leverages an AI enabled Digital Chemistry Platform to discover new use cases for old drugs, creating proprietary Phase II/III ready drug candidates in days instead of decades, saving billions of dollars in pharma development costs.

Bio: Hobson Lane, is a Data Scientist and has 20 years of experience building autonomous systems that contribute to the common good. Hobson is the holder of six patents, and earned his M.S. degree in Dynamics and Controls from Georgia Institute of Technology, and his B.S. in Physics and English from Vanderbilt University. He is the author of technical papers and is a prolific lecturer in autonomous systems and machine learning. Hobson is also the lead author of Natural Language Processing in Action, and he will show you how to apply NLP to bioinformatics. His course, Data Science for Digital Health, is the second course in the Digital Health certificate program where you will learn how to apply statistical modeling to clinical data science, population health, assistive technology, and ethics.
Bio: Tim Mackey is an Associate Professor of Anesthesiology and Global Public Health at UC San Diego School of Medicine and is also the Director of Healthcare Research and Policy at UC San Diego Extension. He is also the Director of the Global Health Policy Institute. He has co-authored over 140 publications and has acted as a consultant for the World Health Organization, U.S. Department of State, and U.S. Department of Justice. He is also the co-Chair of the IEEE Standards Association Supply Chain. Technology Implementation Industry Connections Program. Tim presents, publishes and teaches courses in Health Blockchain, Global Health, Digital Health and contributes his expertise to variety of healthcare technology advisory boards.

Bio: Dr. Merchant blends UX and behavioral design to create digital solutions that improve patient engagement in sleep disordered breathing and respiratory diseases. Dr. Merchant is a behavioral and data scientist with extensive experience working with technology to promote health behavior change. Her work spans small-scale and tightly controlled experiments to large clinical trials. Dr. Merchant is keen to adapt new study designs to pressing public health problems, and to bring the scientific method to the business arena. As a member of the R community, she is an advocate for advancing the cause of reproducible research in behavioral science, and increasing the presence and participation of women and other under-represented groups in data science. Ph.D. in Public Health from UC San Diego/San Diego State University, MA in Experimental Psychology from Cal State San Marcos, and BA in Psychology from UC San Diego.
Bio: Dr Ramin Rafiei is the Director of Digital Healthcare at SHL Medical. His focus is on improving the real-world effectiveness of pharmacotherapies, by leveraging connected therapeutics (CTx) to achieve patient care which is personalized, accessible, quantified, and outcome-based. Over the past two decades, Dr Rafiei has been leading high-stake multidisciplinary scientific and business initiatives across aerospace and nuclear industries, as well as new generation industries in photonics, autonomous mobility and digital healthcare. Ramin is a healthcare investor and academic, healthtech advisor, a published author, and holds a PhD in experimental nuclear physics from The Australian National University (Canberra, Australia).

Bio: Dawn is a seasoned UX leader, with 20 years in the healthcare and wellness product development space. She graduated from UCSD with a degree in Computing Arts, an interdisciplinary program combining Visual Arts and Computer Science and Psychology. As a leader in User Experience, Dawn acts as a coach to designers and researchers, as well as a diplomat and a champion for the team and users. She advocates for user-centered design practice and close collaboration with multidisciplinary teams to design products that solve for real user needs. In the past few years, Dawn has been focused on employing Design Thinking approaches for Innovation. At ResMed, she sets the vision and strategy for the Digital Health Technology UX chapter, responsible for designing the user experience of web and mobile products for patients and providers. In her spare time, Dawn serves as a board member of the SD Experience Design group, is a member of the Design Leadership Forum, and a regular volunteer for the Design Forward Alliance.