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TECHNOLOGY AND TELEMEDICINE

Telemedicine, telehealth, or e-health is the remote diagnosis and delivery of healthcare using telecommunications technology. This presentation focuses on the importance of technology for the delivery of healthcare in this venue, for the training of professionals, and the future major for undergraduates. The contention is that telehealth is about technology and healthcare, with equal emphasis on both components. The more recent technologies that have been integrated into the field of telehealth are deliberated. Several of the technologies in use for telemedicine today are examined and compared for basic features. Different platforms for training professionals in the field with the tools they incorporate are discussed. A recommendation for the training of professionals is given. As telehealth is integrated into society on a larger scale, universities will begin to offer an undergraduate major in telehealth. The courses that should comprise this major are justified. Potential graduate work and careers in the field are offered.

Biography

David Wang, M.S. is an Associate Professor of Computer Science at Mercy College. He has led several NSF STEM and Microsoft grants totaling more than \$1,000,000. He has served on the Content Advisory Committee for New York State Teacher Certification., as well on the Computer Science Review Committee for the joint ACM & IEEE 2001 Curriculum Project. As Associate Dean of School of Liberal Arts, he was a member of college-wide strategic planning committee and led the school's academic program assessment efforts.

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