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20/05/2024

ISCTE – University Institute of Lisbon, Portugal (ISCTE-IUL)
Aristotle University of Thessaloniki, Greece (AUTH)
Laurea University of Applied Sciences, Finland (LAUREA)

Master Program: “Managing Digital Transformation in the Health Sector”

Dear Sir/Madam,

During my undergraduate studies I obtained a strong background in the field of Computer Science and its applications in the healthcare sector with emphasis on the development of innovative technological solutions the healthcare industry can benefit from.

Furthermore, my employment thus far in a specialized e-health products IT company has provided me with the opportunity to apply my academic knowledge to real-life projects, advance my programming skills and gain experience in the digital health sector.

I truly believe that this is the right time for me to grow professionally by pursuing further specialization through a Master’s degree.

While searching for a high-quality international online MSc program, I realized that the “Managing Digital Transformation in the Health Sector” program that is offered by three highly acclaimed EU education institutions, such as the ISCTE- University Institute of Lisbon-Portugal, the Aristotle University of Thessaloniki- Greece and the Laurea University of Applied Sciences-Finland, is a well-rounded and high-standard academic program which satisfies my professional expectations. In particular, the fact that the ManagiDiTH Master is the only MSc program that offers a holistic interdisciplinary approach on the digital transformation of the healthcare sector by combining components in the social, digital and health sciences is highly intriguing.

By reviewing the information material on the specific program, I found out that it can offer me additional knowledge and skills necessary for pursuing a career in managing the digital transformation of health services. I particularly appreciated that the program encourages innovative approaches for the design and implementation of digital healthcare services and can introduce me to modern approaches on providing consulting services on the effective management and guidance to healthcare organizations, policymakers and stakeholders. It can further help me learn how to leverage digital technologies and data science to enhance the quality, efficiency, and effectiveness of health and welfare services.

I believe that The ManagiDiTH Master can provide me with multidisciplinary knowledge on the design, development and support of health and social care digital services. I can benefit from the opportunity to work at an international academic environment, discover new cultures, and collaborate in group projects with faculty and students from different countries

with diverse backgrounds and technological expertise, which will allow me to further my linguistic, intercultural and international competences.

I believe that I am a suitable candidate for this program as my Bachelor's degree absolutely aligns with it. I studied Computer Science and Biomedical Informatics at University of Thessaly in Greece. I have acquired a comprehensive knowledge of digital technologies and their applications in the healthcare sector. At the undergraduate level, I took specialized courses that covered areas such as biomedical technology, medical information systems, biomedical image analysis, telemedicine and bioinformatics. Relevant courses I have taken include Digital Design, Data Structures, Telemedicine, Medical Information Systems and Introduction to Biomedical Technology, Biomedical Image Analysis, Internet Application Technologies, Digital Communication and Medical Decisions Support Systems. Furthermore, by participating in group projects I have developed skills in communication, problem solving, analytical thinking, creativity and teamwork.

I am quite proud of my achievements at the undergraduate level. I have received high or excellent grades in courses such as: telemedicine, medical information systems, and those were relevant to the digital sciences such as: introduction to programming, introduction to informatics, computer architecture, advanced programming, databases, digital communications, pattern recognition, wireless communication systems, deep learning. I have also received high grades in courses relevant to healthcare science such as biochemistry and physiology, systems biology and bioinformatics. My thesis focused on the development of neural network models for the identification of lung and colon cancer in histopathological images, highlighting the potential of machine learning in effectively supporting clinical decision-making. I received an excellent grade (10/10).

During the course of my undergraduate studies, I have also taken optional courses in Education including Introduction to Neuropsychology and neuropsychological elements of education, cognitive psychology and educational practice, developmental psychology, introduction to learning difficulties, sociology of education, general pedagogy, teaching methods in informatics, ICT in education and acquired a Certificate for Pedagogical and Teaching Competence.

Programming has always fascinated me. In addition to my Bachelor's degree, I hold a certification in Python programming language: Advanced Python with applications in Machine Learning and in 2019, I attended FOSSCOMM (Free and Open Source Software Communities Meeting) in Lamia, Greece.

Since June 2023, I have been working in Gnomon Informatics as a Software Engineer, where I also completed my internship. Gnomon is an IT company based in Thessaloniki, Greece, which specializes in e-health products and provides solutions for patient empowerment and assisted living. One of the important projects I have worked on focuses on supporting countries in developing their Digital Health Infrastructure, for securely exchanging health-related documents. My work experience enhances my digital and social skills.

After graduating from this program, I hope to apply my knowledge, either in Greece or abroad, towards becoming a digital health product manager and managing the end-to-end lifecycle of digital health products. At a later stage, I aspire to pursue a career as an e-health consultant and collaborate with healthcare organizations by offering services such as the assessment of

their current systems and processes and the implementation of strategies for enhancing the delivery of healthcare services.

Being a highly motivated and goal-oriented person by nature, I am committed to performing excellently in this program.

I would like to thank you in advance for considering my application and look forward to your positive response.

Yours faithfully,
Theodora Chatzopoulou