

HONORS AND HIGHLIGHTS

Academic Distinction 2016

Graduated first, with a total mark of 9.38/10.00, in the MSc program of Applied Informatics and Multimedia.

Research Milestone 2016

One of the main contributors to the creation of the “MobiAct dataset”, a large open source dataset of Activities of Daily Living and Falls, based on smartphone’s inertial sensors.

RESEARCH EXPERIENCE

Laboratory of Applied and inTeractIve Computing February 2018
Group of Biomedical Informatics & eHealth to today
Department Electrical and Computer Engineering
Hellenic Mediterranean University,
Estavromenos, Crete, Greece

Working as a SW engineer/Research associate in the context of the H2020 and FP7 funded R&D projects:

- HarmonicSS–HARMONization and integrative analysis of regional, national and international Cohorts on primary Sjögren’s Syndrome (pSS) towards improved stratification, treatment and health policy making, “Horizon 2020”
- C H I C– Computational Horizons In Cancer (CHIC): Developing Meta– and Hyper–Multiscale Models and Repositories for In Silico Oncology, “FP7” .

Leading the technical work for the implementation of the foreseen eLearning platform and tools of the projects. Contributing to the work focused on semantic harmonization and interoperability of multimodal biomedical data.

Biomedical Informatics & eHealth Laboratory January 2016
Department of Informatics Engineering to February 2016
Technological Educational Institute of Crete,
Estavromenos, Crete, Greece

Worked as a Technical Staff— SW Engineer in the context of the Research Funding Program FP7

- MyHealth Avatar—A Demonstration of 4D Digital Avatar Infrastructure for Access of Complete Patient Information.

Involved in supporting the activities for the validation of project technologies.

interactive Software Technologies & System Engineering April 2015
Laboratory to June 2015
Department of Informatics Engineering,
Technological Educational Institute of Crete,
Estavromenos, Crete, Greece

Worked as a Technical Staff— SW Engineer in the context of

- BioDrasis – Promoting organic farming through virtual alliances” project, funded under the COOPERATION 2011 program of the General Secretariat for Research and Technology - Hellas.

Involved in administrative responsibilities as well as in supporting the activities for the evaluation and assessment of demos.

Computational BioMedicine Laboratory December 2012
Institute of Computer Science to June 2016
Foundation for Research and Technology - Hellas,
Vasilika Vouton, Crete, Greece

Worked as a SW Engineer, with a Training and Specialization Scholarship, in the following activities of the lab:

- Research Contract “Papanikolaou Nikolaos” . Contributed to the implementation of ICT technologies for the extraction of visual indicators of depression in patients with chronic diseases.
- FP7 funded project “EURECA— Enabling information re–Use by linking clinical REsearch and Care” . Contributed to technical work focused on achieving standards–based semantic integration of biomedical data.

OTHER WORKING EXPERIENCE

Technological Educational Institute of Crete 2014
Department of Informatics Engineering, to 2016
Estavromenos, Crete, Greece

During the period of my postgraduate studies (academic years of 2014–2016) I acted as a Teaching Assistant for the following undergraduate courses:

- **Biomedical Informatics & eHealth**

An undergraduate course averaging 80 students per semester, covering the following topics: signal processing techniques for ECG analysis, database design, software development, personal health record etc.

- **ICT Project Management**

An undergraduate course averaging 120 students per semester, covering the following topics: software engineering methodologies: waterfall, agile scrum etc., project management methodologies: Prince and PMBOK, Project Management techniques: network analysis, resource management, risk analysis etc.

OTHER WORKING EXPERIENCE

Technological Educational Institute of Crete November 2010
Department of Informatics Engineering to May 2011
Estavromenos, Crete, Greece
I was involved as a **Computer Engineer** at the Hardware Department of the Institution (undergraduate student)

Technological Educational Institute of Crete May 2010
Department of Informatics Engineering to October 2010
Estavromenos, Crete, Greece
Computer engineer at the Network Management Center of the Institution.
This was a mandatory six-month training required as part of the undergraduate program of studies in Applied Informatics and Multimedia.

Out of the Blue Elite Resort Capsis 2007,2008,
Five Star hotel 2009,2011
Agia Pelagia, Crete, Greece (seasonal)
Accounting Assistant

PUBLICATIONS

Books

1. Chatzaki C., Pediaditis M., Vavoulas G., Tsiknakis M. (2017) Human Daily Activity and Fall Recognition Using a Smartphone's Acceleration Sensor. In: Röcker C., O'Donoghue J., Ziefle M., Helfert M., Molloy W. (eds) Information and Communication Technologies for Ageing Well and e-Health. ICT4AWE 2016. Communications in Computer and Information Science, vol 736. Springer, Cham

Journal Publications

1. Koumakis, L., Chatzaki, C., Kazantzaki, E., Maniadi, E., Tsiknakis, M., "Dementia care frameworks and assistive technologies for their implementation: A review", IEEE Reviews in Biomedical Engineering, vol. 12, pp. 4–18, 2019.

Conference Papers

1. Pampouchidou, A., Simantiraki, O., Vazakopoulou, C.–M., Chatzaki, C., Pediaditis, M., Maridaki, A., Marias, K., Simos, P.G., Yang, F., Meriaudeau, F., & Tsiknakis, M.N. (2017). Facial Geometry and Speech Analysis for Depression Detection. 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'17), 12/8/2017. Jeju Island, Korea: IEEE.
2. C. Chatzaki, M. Pediaditis, G. Vavoulas, and M. Tsiknakis. Estimating Normal and Abnormal Activities Using Smartphones. In 13th International Conference on Wearable, Micro and Nano Technologies for Personalised Health, 2016.
3. Vavoulas, G., Chatzaki, C., Malliotakis, T., Pediaditis, M. and Tsiknakis, M., The MobiAct Dataset: Recognition of Activities of Daily Living using Smartphones. In Proceedings of the International Conference on Information and Communication Technologies for Ageing Well and e-Health (ICT4AWE 2016), pages 143–151, ISBN: 978–989–758–180–9.
4. Vavoulas, G., Pediaditis, P., Chatzaki, C., Spanakis, E.G., & Tsiknakis, M.N. (2014). The MobiFall Dataset: Fall Detection and Classification with a Smartphone. International Journal of Monitoring and Surveillance Technologies Research (IJMSTR), 2(1), 44–56, IGI Global.

SEMINARS AND WORKSHOPS

Project Management Simulation with PTB Software, Seminar
Technological Educational Institute of Crete–Department of Applied Informatics and Multimedia in collaboration with the University of Nicosia, Heraklion, Crete, Greece, May 2015

Simple and Effective Communication, Seminar
Technological Educational Institute of Crete
Crete, Greece, June 2014

Modern Data Transfers Standards for Industrial Automation, Summer School
AGH – University of Krakow, Department of Science and Technology
Krakow, Poland, February 2011

Computing Aspects of Computer Games Development, Summer School
University of La Rochelle, Department of Informatics
La Rochelle, France, July 2010

Digital Modulation –DVB & Optical Communications, Seminar
Technological Educational Institute of Crete–Department of Applied Informatics and Multimedia in collaboration with, the University of Applied Sciences FH–Düsseldorf–Department of Multimedia and Electrical Engineering
Crete, Greece, May 2010

OTHER ORGANIZATIONAL ACTIVITIES

Organizing Committee member ‘Publicity and Social Media Chair’
– 2nd EAI International Conference on Design, Learning & Innovation,
– 6th EAI International Conference on ArtsIT, Interactivity & Game Creation, Heraklion, Crete, Greece, 2017.

LANGUAGES

Greek: Native Language
English: Advanced – Lower, First Certificate
German: Intermediate – Goethe, Certificate B1
Russian: Novice – One year fast track class for A1 level