PERSONAL INFORMATION

Dimitris Manousos

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Sex Male | Date of birth 21/08/1980 | Nationality Greek

POSITION

Software Engineer

WORK EXPERIENCE

01/01/2007–Present

Software Engineer

Institute of Computer Science, Foundation for Research & Technology, Hellas, Heraklion (Greece)

- Development of a glucose management system for outpatients using HTML5, JavaScript, ASP .Net MVC and SQL Server

- Development of web-services for in-hospital glucose management system using SOAP, JSP, Spring, Hibernate

- Database design and implementation using MySQL and PostgreSQL engines

- Development of e-learning management system using the SCORM standard for e-learning content and Moodle as CMS

- Mobile application development on Android phones using native and hybrid approaches.

- Web-Service's and unit testing of source code using JUnit, JBoss and SoapUI

- Architecture design of software components using UML class and sequence diagrams

- Experience on computer vision algorithms using Matlab and OpenCV. Development of a head tracking algorithm for monitoring head movements.

- Development of video acquisition software from high FPS camera using C++

- Development of various back-end services using REST technology.

- Experience on source code versioning and dependency management tools (SVN, GIT, Maven)

EDUCATION AND TRAINING

15/09/1999–15/10/2006

Bachelor degree in Informatics Engineering

Technological Educational Institute of Crete, Heraklion (Greece)

- Basic programming
- Digital design
- Algorithms
- Databases
- Internet programming
- Multimedia

PERSONAL SKILLS

Mother tongue(s)

Greek

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
	National Language Certificate (KPG) B2				

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Job-related skills	- Micro-controller programming (Arduino)
Other skills	- Amateur astronomer
	- Constructor of astronomical equipment
Driving license	- B

ADDITIONAL INFORMATION

Publications

1. Kontogiannis, V., Manousos, D., Karatzanis, I., Argyropaidas, P., Kouroubali, A., Innovative Technologies to Support Appropriate Accommodation in Emergency Shelters. *Information and Communication Technologies for Disaster Management,* 11-13 December 2017.

2. Giannakakis, G., Pediaditis, M., Manousos, D., Kazantzaki, E., Chiarugi, F., Simos, P.G., Marias, K., & Tsiknakis, M.N. (2016). Stress and anxiety detection using facial cues from videos. *Biomedical Signal Processing and Control, 31*, 89-101, ELSEVIER doi: http://dx.doi.org/10.1016/j.bspc.2016.06.020.

3. Andreu, Y., Chiarugi, F., Colantonio, S., Giannakakis, G., Giorgi, D., Henriquez, P., Kazantzaki, E., Manousos, D., Marias, K., Matuszewski, B., Pascali, M.A., Pediaditis, M., Raccichini, G., & Tsiknakis, M.N. (2016). Wize mirror - a smart, multisensory cardio-metabolic risk monitoring system. *Computer Vision and Image Understanding, 148, 3-22.*

4. Pampouchidou, A., Simantiraki, O., Fazlollahi, A., Pediaditis, M., Manousos, D., Roniotis, A., Giannakakis, G., Meriaudeau, F., Simos, P.G., Marias, K., Yang, Q., & Tsiknakis, M.N. (2016). Depression Assessment by Fusing High and Low Level Features from Audio, Video, and Text . The 6th Audio/Visual Emotion Challenge and Workshop, ACM-Multimedia , Amsterdam, The Netherlands, October 16th, 2016 (pp. 27-34). ACM Press (http://doi.acm.org/10.1145/2988257.2988266).

5. Pediaditis, M., Giannakakis, G., Chiarugi, F., Manousos, D., Pampouchidou, A., Christinaki, E., Iatraki, G., Kazantzaki, E., Simos, P.G., Marias, K., & Tsiknakis, M.N. (2015). Extraction of facial features as indicators of stress and anxiety. 37th Annual International Conference of the IEEE EMBS, Milan, Italy, August 2015.

6. Andreu, Y., Chiarugi, F., Colantonio, S., Giannakakis, G., Giorgi, D., Henriquez, P., Kazantzaki, E., Manousos, D., Marias, K., Matuszewski, B., Pascali, M.A., Pediaditis, M., Raccichini, G., & Tsiknakis, M.N. (2016). Wize mirror - a smart, multisensory cardio-metabolic risk monitoring system. Computer Vision and Image Understanding, 148, 3-22.

7. Christinaki, E., Giannakakis, G., Chiarugi, F., Pediaditis, M., Iatraki, G., Manousos, D., Marias, K., & Tsiknakis, M.N. (2014). Comparison of blind source separation algorithms for optical heart rate monitoring . 4th International Conference on Wireless Mobile Communication and Healthcare, Athens, Greece, November 3-5, 2014.

8. Manousos, D., Iatraki, G., Christinaki, E., Pediaditis, M., Chiarugi, F., Tsiknakis, M.N., & Marias, K. (2014). Contactless detection of facial signs related to stress: a preliminary study. 4th International Conference on Wireless Mobile Communication and Healthcare, Athens, Greece, November 3-5, 2014.

9. Chiarugi, F., Iatraki, G., Christinaki, E., Manousos, D., Giannakakis, G., Pediaditis, M., Pampouchidou, A., Marias, K., & Tsiknakis, M.N. (2014). Facial signs and psycho-physical status estimation for well-being assessment. 7th IEEE International Conference on Health Informatics.

10. Manousos, D., Chiarugi, F., Kontogiannis, V., Karatzanis, I., Kouroubali, A., Spanakis, E.G., Marias, K., Fursse, J., Thomson, S., Jones, R.W., Verma, V., & Clarke, M. (2013). First results about the use of a patient portal by people with diabetes in a rural area. E-Health and Bioengineering Conference (EHB), 2013.

11. Spat, S., Höll, B., Beck, B., Chiarugi, F., Kontogiannis, V., Spanakis, E.G., Manousos, D., & Pieber, T. (2011). A Mobile Android-based Application for in-hospital Glucose Management in compliance with the Medical Device Directive for Software. 2nd International ICST Conference on Wireless Mobile Communication and Healthcare (MobiHealth 2011), Kos Island, Greece, 5-7 October, 2011.

12. Kouroubali, A., Sakkalis, V., Vissers, B., Manousos, D., & Tollis, I.G. (2009). eLearning for Basic Life Support: CPR Knowledge for Citizens. In Proceedings of eChallenges (e-2009), Istanbul, Turkey, October 21-23.

Projects
- **PACES:** Preparedness for Appropriate accommodation in Emergency Shelters, ECHO/SUB/2015.
- **SEMEOTICONS**: SEMEiotic Oriented Technology for Individual's CardiOmetabolic risk self-assessmeNt and Self-monitoring, (FP7-ICT-2013-10-611516).
- **REACTION**: Remote Accessibility to Diabetes Management and Therapy in Operational Healthcare Networks, (7th Framework Programm R&D project).
- **EHR-IMPLEMENT**: National policies for Implementation of Electronic Health Record (EHR) in the European area: social and oranizational issues, (HI 2006-eHealth), (Scientific Co-coordinator on behalf of the Information Systems Laboratory).
- **Rural Wings**: Development of an advanced learning platform through satellite DVB-RCS access technologies, promoting a user-centred methodological approach which constitutes its major innovation. (FP6-SIP4-2005-516161).