

## PERSONAL INFORMATION



## Evangelia Maniadi

 Klitonimou 3, GR72100 Agios Nikolaos (Greece)

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Date of birth 22/08/1984

## WORK EXPERIENCE

06/05/2019–Present

**Software Engineer**

Hellenic Mediterranean University (ex TEI Crete), School of Engineering, Department of Electrical and Computer Engineering, Laboratory of Applied and Interactive Computing, Heraklion (Greece)

- Participation to the national project "**Smart Insole - A novel wearable sensor for continuous human gait analysis and evaluation**"

\* Participation to the deliverables related to the WP2, WP3 and WP4

06/05/2016–30/04/2019

**Software Engineer**

Technological Educational Institute of Crete, School of Engineering, Department of Informatics Engineering, Laboratory of Applied and Interactive Computing, Heraklion (Greece)

1) Participation to the european project "**CHIC - Computational Horizons in Cancer: Developing Meta- and Hyper-Multiscale Models and Repositories for In Silico Oncology**", FP7, No 600841

\* Participation to the deliverables related to the **Work Package 5 "IT Architecture"** and **Work Package 10 "Integrated Platform"** of the project.

2) Participation to the national grant 2014-2016 for the project "**CHIC - Computational Horizons in Cancer: Developing Meta- and Hyper-Multiscale Models and Repositories for In Silico Oncology**",

\* Preparation and production of multimedia content of the project systems and services in order to strengthen the prospect of their exploitation.

3) Participation to the european project "**HarmonicSS - HARMONization and integrative analysis of regional, national and international Cohorts on primary Sjogren's Syndrome (pSS) towards improved stratification, treatment and health policy making**", H2020

\* Participation to the deliverables related to the **Work Package 2 "Dissemination, Exploitation and Sustainability"**, **Work Package 4 "Harmonization and delivery of HarmonicSS integrative cohort"** and **Work Package 5 "Data analytics services and integration"** of the project.

4) Participation to the Laboratory of Applied and Interactive Computing (LATiCe) Research Activities

\* **Architectural platform analysis for real-time signal processing from smart mobile devices.**

01/11/2011–31/10/2015

**Software Engineer**

Foundation for Research and Technology, Institute of Computer Science, Computational BioMedicine Laboratory

Nikolaou Plastira 100, Vasilika Vouton, GR70013 Heraklion (Greece)

<http://www.ics.forth.gr/cbml>

- 1) Participation to the european project "**EURECA - Enabling information re-Use by linking clinical REsearch and Care**", FP7-ICT-2011.7
  - \* Evaluation of the clinical scenarios using the ISO/IEC 25000 series standard and System Usability Scale (SUS).
- 2) Participation to the european project "**MyHealthAvatar - A Demonstration of 4D Digital Avatar Infrastructure for Access of Complete Patient Information**", FP7-ICT-2011.5.2
  - \* Development of data analysis and visualization tools.
- 3) Participation to the european project "**INTEGRATE - Driving Excellence in Integrative Cancer Research through Innovative Biomedical Infrastructures**", FP7-ICT-2009.5.3
  - \* Development of statistical prediction models for the prognosis of breast cancer.
- 4) Participation to the national project "**YPERTHEN - Clinical Research Infrastructure and methodology for personalized tumor diagnosis and therapy**", Interreg Greece - Cyprus 2007-2013
  - \* Evaluation of existing web technologies and tools for the development of 3D visualization of MRI images.
- 5) Participation to the national project "**EDGE - Development of a National Network of Genomic Research: Methodological Approach to Systems Biology**", NSRF 2007-2013
  - \* Participation to the design of an electronic data management (clinical, laboratory, imaging and genomic) to facilitate the discovery of new knowledge and for the implementation of decision support tools.
- 6) Participation to the european project "**ENCCA - EUROPEAN NETWORK for CANCER research in CHILDREN and ADOLESCENTS**", FP7-HEALTH-F2-2011 No. 261474
  - \* Administrative and financial support of the project and participation to the development of a unified platform for computational biology.

- 01/08/2010–31/10/2011 **Administrative secretary (for 3 Labs)**  
Foundation for Research and Technology, Institute of Computer Science a) Laboratory of Computational Medicine b) Center for eHealth Applications and Services c) Bioinformatics Nikolaou Plastira 100, Vasilika Vouton, GR70013 Heraklion (Greece)  
<http://www.ics.forth.gr/>
- 03/05/2010–27/07/2010 **Software Engineer**  
Decentralized Administration of Crete  
Eleuthernis & Sivritou 2, GR71305 Heraklion (Greece)  
<http://www.apdkritis.gov.gr>
- 21/05/2007–31/12/2007 **Administrative Staff**  
National Bank of Greece  
Smimis 25 & Rousou Chourdou, GR71201 Heraklion (Greece)  
<https://www.nbg.gr>
- 01/03/2007–17/05/2007 **Internship**  
National Bank of Greece  
Kalokairinou Av. 229, GR71201 Heraklion (Greece)  
<https://www.nbg.gr>

EDUCATION AND TRAINING

09/2008–11/2011

**Master of Science (M. Sc.)**

University of Crete, Department of Computer Science  
 Voutes, GR70013 Heraklion (Greece)  
<http://www.csd.uoc.gr>

**Specialization Areas:** a) Information Systems b) Algorithms and Systems Analysis

**GPA of courses:** 7.86 out of 10

**Postgraduate Courses Attended:**

- CS-474 Multimedia Technology
- CS-463 Information Retrieval Systems
- CS-460 Database Management Systems
- CS-482 Algorithms in Bioinformatics
- CS-467 Knowledge Representation and Reasoning
- CS-585 Defeasible Reasoning
- CS-583 Graph Algorithms
- CS-580 Topics in Algorithms Design
- CS-564 Advanced Topics in Human - Computer Interaction (HCI)

**Master thesis title:** "Analysis and Visualization of Metabolic Networks: A Hypergraph Approach"

**Supervisor Professor:** Prof. Ioannis Tollis

09/2002–03/2008

**Bachelor in Applied Informatics**

University of Macedonia  
 Egnatias 156, GR54006 Thessaloniki (Greece)  
<http://www.uom.gr/index.php?tmima=6&categorymenu=2>

**GPA:** 8.14 out of 10

**Bachelor thesis title:** "Simulate the operation of the Central Processing Unit (CPU) of the training computer, TRN"

**Supervisor Professor:** Associate Prof. Alexandros Chatzigeorgiou

PERSONAL SKILLS

Mother tongue(s) Greek

Foreign language(s)

|   | UNDERSTANDING |         | SPEAKING           |                   | WRITING |
|---|---------------|---------|--------------------|-------------------|---------|
|   | Listening     | Reading | Spoken interaction | Spoken production |         |
| English   | C2            | C2      | C2                 | C2                | C2      |
| Certificate of Proficiency in English, The University of Michigan, May 2015 |               |         |                    |                   |         |
| German  | B1            | B1      | B1                 | B1                | B1      |
| Zertifikat Deutsch als Fremdsprache, Goethe Institute, March 2000           |               |         |                    |                   |         |

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
 Common European Framework of Reference for Languages

Digital skills

- **Programming:** Java, C, C++, MATLAB, LaTeX
- **Java technologies:** JSP, JSF, JAX-WS, Hibernate, JPA, Spring
- **Web technologies:** HTML/CSS, HTML5, JavaScript, jQuery, AJAX, JSON, PHP, REST and SOAP Web services
- **Database Management Systems:** MySQL, Oracle, PostgreSQL
- **Enterprise portal development:** Liferay Portal
- **Content Management Systems:** Joomla, Wordpress
- **3D Graphics:** VTK, Three.js, X Toolkit

- **Mobile Application Development:** Android Development Tools (ADT)
- **Software evaluation and validation:** ISO/IEC 25000 series, System Usability Scale (SUS)
- **Learning Management Systems:** Moodle, Adobe Captivate Prime
- **Content Authoring Tools:** Adobe Captivate, H5P, Adapt, Elucidat

**Other skills** Organization, Teamwork, Communication, Dedication, Ability to respond to time pressure

**Driving licence** B

## ADDITIONAL INFORMATION

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### Honours and awards

#### **Master Scholarship**

Foundation for Research and Technology, Institute of Computer Science, Laboratory of Computational Medicine

Duration: 01/03/2009 - 31/10/2011

### Publications

1. L. Koumakis, C. Chatzaki, E. Kazantzaki, **E. Maniadi** & M. Tsiknakis. "*Dementia Care Frameworks and Assistive Technologies for Their Implementation: A Review*". IEEE Reviews in Biomedical Engineering, vol. 12, pp. 4-18, January 2019.
2. **E. Maniadi**, E. G. Spanakis, A. Karantanas & K. Marias. "*A supportive environment for the long-term management of knee osteoarthritis condition*". International Workshop on "Advances in Personalized Healthcare Services, Wearable Mobile Monitoring, and Social Media Pervasive Technologies", MobiHealth 2015, London, October 2015.
3. G.C. Manikis, **E. Maniadi**, M. Tsiknakis & K. Marias. "*Multi-Modal Medical Data Analysis Platform (3MDAP) for analysis and predictive modelling of cancer trial data*". 6th International Advanced Research Workshop on In Silico Oncology and Cancer Investigation (IARWISOCI) - The CHIC Project Workshop, Athens, Greece, November 2014.
4. **E. Maniadi** & I. Tollis. "*Analysis and Visualization of Metabolic Pathways and Networks: A Hypergraph Approach*". In Proc. 2nd International Conference on Biomedical and Health Informatics, Valencia, Spain, June 2014.
5. **E. Maniadi**, H. Kondylakis, E.G. Spanakis, M. Spanakis, M.N. Tsiknakis, K. Marias., & F. Dong. "*Designing a digital patient avatar in the context of the MyHealthAvatar project initiative*". In Proc. 13th IEEE International Conference on Bioinformatics and BioEngineering, Chania, Greece, November 2013.
6. **E. Maniadi** and I. G. Tollis. "*VisBolic: A Tool for the Analysis and Visualization of Metabolic Pathways and Networks*". 7th Conference of the Hellenic Society for Computational Biology and Bioinformatics, Heraklion, Greece, October 2012 (poster).
7. **E. Maniadi**. "*Analysis and Visualization of Metabolic Pathways and Networks: A Hypergraph Approach*". MSc thesis, University of Crete (2011).
8. **E. Maniadi**. "*CPU simulation of the TRN training computer*". BSc thesis, University of Macedonia (2008).

**References** Available upon request