



Athanassios I. Hatzis (PhD) – Curriculum Vitae

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CAREER OBJECTIVE

The last few years I have been active in research of various data models and how these can be applied for personal or health information management. I have built my own collection of tools for interoperability purposes and I have started exhibiting my vision about a world-wide-web of concepts. I am looking for a suitable research or management post in the field of data integration and analysis with emphasis on presenting results for making informed decisions. I am currently available immediately for employment and I am free to relocate to any city if that is necessary. Alternatively I am seeking collaboration to build an innovative startup aiming for digital curation and collaborative intelligence at the user level.

CORE COMPETENCIES

In the last decade, my career has changed dramatically from being a highly focused academic researcher and expert in the field of speech technology, to broadening my horizon with applications in the field of health information technology and databases at a managerial post. I can adapt quickly and effectively to any demanding positions and different environments. I know first-hand what means to work in an interdisciplinary area and how to interact with a team of people that have different expertise than mine; how to integrate information from various resources. In the roles I have played so far, I have the ability to work in software development at any stage, from any perspective and also to manage tasks and information of any kind.

PROFESSIONAL EXPERIENCE

- **Founder / Freelancer (06/2009 – 05/2013)**
- **HEALIS - Healthy Information Systems (<http://healis.eu>), Athens, Greece**
- ✓ Non-profit ehealth agency dedicated to promote open information technology systems and services, especially MEDILIG (<http://medilig.org>) EMR/EHR, to support patients, physicians, or other health providers. MEDILIG since its first release, two years ago, has been on the top ten lists of the most popular EHR and EMR software at SourceForge.
- ✓ Other activities of HEALIS include the design and implementation of NULO (<http://neuroganon.org/NULO>). It is a self-referenced, self-described upper-level ontology coded in HTML5 based on the Topic Map Data Model. Recently, a new Resource/Reference/Representation generic data model (R3DM) is illustrated with a plan to utilize NULO ontology.
- **Health Informatics Manager / Research Associate (09/2005 – 04/2009)**
- **Hellenic Neurosurgical Research Centre “Prof. Petros S. Kokkalis” - Evangelismos General Hospital**
- **Dept. of Neurosurgery, University of Athens / School of Medicine, Athens, Greece**
- ✓ I assured funds of 250000€ in a three years period thanks to medical journal publications, conference papers and promotion strategy for the Hellenic Neurosurgical Research Centre that included a sponsorship with HOL telecommunication provider. At the same time I was responsible for the management and support of IT services and the planning of their expansion.
- ✓ I designed and implemented an electronic medical record (EMR), tailored closely to the needs of the clinic. It was used on a daily basis with twenty users concurrently online. During my employment this computer information system was upgraded, enhanced and expanded with other specialized clinical decision information systems that permitted health professionals, to measure the quality of data input, to check the continuous care process on chronic diseases such as spasticity, and to analyse data for results in conference papers for innovative research.
- ✓ The first clinic in the history of “Evangelismos” General Hospital and one of the few in Greek public hospitals with fully automated electronic medical record services, surgical teleconferencing, and secure remote access with MPLS-VPN. This enabled health professionals to offer their patients quality of service and to decrease their time spent on administration.

- *Doctorate/Post-doctorate Research Associate (10/1994 – 09/2004)*
- **Dept. Computer Science (Research Grade 5/5) – Speech Technology Group - The University of Sheffield (U.K)**
- ✓ Based on my PhD Thesis and the successful continuation of my research with NHS and EU funded projects, University of Sheffield, Department of Computer Science (UK assessment grade 5/5) founded CAST, a multidisciplinary group that is specialized in clinical applications of speech technology.
- ✓ Work-package leader, initiator, and central figure of OLP (Ortho-Logo-Paedia), EC QoL FP5 funded research project, (2,7M€-3years). OLP is a Clinical/Educational Information System in the field of speech pathology that assists the professionals in computer-based speech training.
- ✓ Principal Investigator of STARDUST (Speech Recognition for People with Severe Dysarthria), UK NHS-NEAT funded project (275000€-3years). STARDUST is a voice activated environmental control system.
- ✓ PhD Thesis - OLT (Optical-Logo-Therapy) speech training aid based on biofeedback to provide speech impaired clients with evaluative and directional real-time, audio-visual feedback for their articulation.

MILITARY SERVICE

- *Electronic Fire Commander (01/1992 – 10/1992)*
Greek Navy – Kanaris destroyer, Souda base and Salamina base
- *First Year Naval Caset (09/1988 – 08/1989)*
Greek Navy – Greek Naval Academy for officers of the Greek Navy

EDUCATION

- *The University of Sheffield, Department of Computer Science, Sheffield, U.K (09/1995 – 09/ 1999)*
Doctorate (PhD) / Speech Technology (Department Research Grade 5/5)
- *The University of Edinburgh, Department of Artificial Intelligence, Edinburgh, U.K (09/1994 – 09/1995)*
Master (MSc) / Artificial Intelligence – Knowledge Based Systems (Dept. Research Grade 5*/5)
- *Southeastern College, Department of Computer Science, Athens, Greece (09/1989 – 06/1993)*
Bachelor (BSc) / Computer Science (3.23 / 4.0)
- *2nd Lyceum of Paleo Phaliro, Paleo Phaliro, Athens, Greece (09/1981 – 09/1987)*
- High School Certificate / (17.6 / 20)

ARTISTIC SKILLS

- *Byzantine music school of Glyfada Diocese, Athens, Greece (Approved by Ministry of Education) (09/2006 – 09/2009)*
Byzantine Music Diploma (Grade Excellent)
- *Piano music school of Tzenny Protopapa, (Approved by Ministry of Education) (09/1980 – 09/1994)*
Diploma in Classical Piano Performance (Grade – Excellent)

TECHNICAL SKILLS

Field of Expertise	Topics
Database design	Data models and serialization (EER, OODM, Graph, EAV, RDF/OWL, TMDM, JSON, XML, HTML, Wiki)
Applications of Speech Technology	Augmentative/Alternative Communication, Speech Therapy, Second Language Learning
Applications of IT in Health	Health Information Management, Telemedicine, Biosignal Processing
Software Development Areas	Software Applications
Programming Languages	Visual Basic, C++, Tcl/Tk, Python, Perl, Pascal-Delphi, Java, Lisp, Prolog, Clips, Assembly
Speech-Signal processing	CSLU, Snack, HTK, SFS, Praat, Cool Edit, Wavelab, LabTutor AD Instruments
Statistical packages / Data Integration	Microsoft Excel, MATLAB, SPSS / Wandora
Databases	Microsoft Access, Intersystems Cache, Microsoft SQL Server, Oracle
Operating systems	System administration in Linux, Windows XP/Server
Professional Certificates	
Microsoft Training Certificate	15/6/2009 - Microsoft SQL Server Database (80h)
Microsoft Gold Certified (i-Learn)	15/6/2009 - Microsoft Visual Studio (Core Data Access, Core Web Applications) (50h)

PERSONAL TRAIT

There are times I can be a very strong minded person but I am willing to accept my mistakes. Roles that require quality, effectiveness, intuition, perseverance, initiative and self-motivation are matched against my personal qualifications. I hate to become patronized or betrayed by my colleagues and I avoid applying such tactics to others. I used to be bad-tempered but my previous work experience and family affairs have mellowed me.