



PANAGIOTIS PAPADAKOS

PERSONAL DATA

Born in Athens, Greece, 1 December 1980

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RESEARCH INTERESTS

Information Retrieval Systems, Information Visualization, Virtual Reality, 3D Graphical User Interfaces, 3D Modeling and Rendering, Human Computer Interaction, Software Engineering, Parallel Systems

WORK EXPERIENCE

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| <i>Network Deployment and Maintenance</i> | 2011 Greek Army Kos, Greece
Provided Network Deployment and Maintenance services during my military duties in 80 MEΘ (Anti-aircraft artillery unit) in Kos (Mar - Oct 2011). |
| <i>PhD Scholar/Research Assistant</i> | 2008 - 2010 ICS-FORTH Heraklion, Greece
Worked at Institute of Computer Science at FORTH (ICS-FORTH) , and specifically in the Information System Laboratory (ISL) . In more detail I worked on mitos (formerly known as GRoogle), an experimental Web Search Engine designed for exploratory search. Results from this work are technical reports on Mitos, and publications on faceted taxonomies, clustering, and DBMS approaches for Web Search Engines. |
| <i>Graduate Scholar/Research Assistant</i> | 2005 - 2008 ICS-FORTH, Heraklion, Greece
Worked at Institute of Computer Science at FORTH (ICS-FORTH) , and specifically in the Human Computer Interaction laboratory (HCI) , on user interfaces, either 2D or 3D, and Virtual Reality. In more detail, as part of my thesis I developed the Flying Circus design tool offering interactive, direct manipulation of 3D CRC (Class - Responsibility - Collaborators) cards. Moreover, I was involved in the development of MENTOR project, an interactive design environment for automatic user interface adaptation. Finally I took part in many user and expert based evaluations. |
| <i>Internship</i> | 2004 - 2005 ICS-FORTH, Heraklion, Greece
In the context of the EYTEXNOS project "Training in Information and Telecommunication Assistive Technologies for People with Disabilities", I worked on the <i>Development of an accessible electronic questionnaire for the Web, using the Speech Application Language Tags (SALT) technology.</i> |
| | 2004 - 2005 ICS-FORTH, Heraklion, Greece |

Specialization
Scholar/Research
Assistant

Worked at **Institute of Computer Science at FORTH (ICS-FORTH)**, and specifically in the **Human Computer Interaction laboratory (HCI)**, on real-time positioning engines for mobile devices. In particular, I created a wrapper above the Ekahau Yax protocol, initially in Visual Basic and finally in C#, and an accompanying 2D User Interface, extracting location information of wireless mobile devices from an Ekahau server located at ICS.

Undergraduate
Scholar/Research
Assistant

2001 - 2004 **ICS-FORTH**, Heraklion, Greece

Worked at **Institute of Computer Science at FORTH (ICS-FORTH)**, and specifically in the **Human Computer Interaction laboratory (HCI)**, on 3D user interfaces and Virtual Reality. In particular I worked on the design and development of the Virtual Prints (ViPs) mechanism. We introduced the concept of Virtual Prints (ViPs) as the interactive digital counterparts of real-life tracks that people leave behind, in order to assist navigation, orientation and wayfinding in Virtual Environments. Also I took part in many user based evaluations.

EDUCATION

PhD candidate in
Computer Science

Present **University of Crete**, Heraklion, Greece

Major: Information Systems
PhD Thesis: **“Exploration and Visualization of Information in Search Engines”**
Advisor: **Prof. Yannis TZITZIKAS** · Ongoing

M.Sc in Computer
Science

Nov. 2007 **University of Crete**, Heraklion, Greece

Major: Information Systems
M.Sc Thesis: **“Very Rapid Software-Design Prototyping with Interactive 3D CRC Cards”**
Advisors: **Prof. Constantine STEPHANIDIS** and **Prof. Anthony SAVIDIS** · 8.21/10 (Very good)

B.Sc in Computer
Science

Sep. 2004 **University of Crete**, Heraklion, Greece

Diploma Thesis: **“Virtual Prints: Development of a pilot system to study an innovative Virtual Environments interaction technique”**
(More info: [About Virtual Prints \(ViPs\)](#))
Advisor: **Prof. Constantine STEPHANIDIS** · 6.86/10 (Very good)

PUBLICATIONS

Refereed Journal
Publications

1. **Panagiotis Papadakos**, Stella Kopidaki, Nikos Armenatzoglou and Yannis Tzitzikas. **On exploiting Static and Dynamically mined Metadata for Exploratory Web Searching**. In *KAIS Journal*, 2011.

Refereed
Conference
Publications

1. Stella Kopidaki, **Panagiotis Papadakos**, and Yannis Tzitzikas. **STC+ and NM-STC: Two Novel Online Results Clustering Methods for Web Searching**. In *WISE '09: Proceedings of the 10th International Conference on Web Information Systems Engineering*, October 2009. Acceptance percentage ?%.
2. **Panagiotis Papadakos**, Stella Kopidaki, Nikos Armenatzoglou, and Yannis Tzitzikas. **Exploratory Web Searching with Dynamic Taxonomies and Results Clustering**. In *ECDL '09: Proceedings of the 13th European Conference on Digital Libraries*, September 2009. Acceptance percentage 21%.

3. Anthony Savidis, **Panagiotis Papadakos**, and George Zargianakis. **Immersive 3D Visualizations for Software-Design Prototyping and Inspection**. In *ISVC '08: Proceedings of the 4th International Symposium on Visual Computing*, December 2008. Acceptance percentage 20%.
4. **Panagiotis Papadakos**, Yannis Theoharis, Yannis Marketakis, Nikos Armenatzoglou, and Yannis Tzitzikas. **Mitos: Design and Evaluation of a DBMS-based Web Search Engine**. *pci*, 0:49–53, August 2008. Acceptance percentage 49%.
5. Alexandros Mourouzis, Dimitris Grammenos, Marialena Filou, **Panagiotis Papadakos**, and Constantine Stephanidis. **Virtual prints: An Empowering Tool for Virtual Environments**. In *Proceedings of the Tenth International Conference on Human-Computer Interaction*, volume 3 of *Human-centred computing : cognitive, social and ergonomic aspects*, pages 1426–1430, 2003. Acceptance percentage ?%.

Refereed Workshop Publications

1. **Panagiotis Papadakos**. **Exploratory Web Searching with Dynamic Taxonomies, Results Clustering and Visualization**. In *ECDL '09 DC: Proceedings of the 13th European Conference on Digital Libraries Doctoral Consortium*, September 2009.
2. **Panagiotis Papadakos**, Stella Kopidaki, Nikos Armenatzoglou, and Yannis Tzitzikas. **Exploratory Web Searching with Dynamic Taxonomies and Results Clustering**. In *HDMS '09: Proceedings of the 8th Hellenic Data Management Symposium*, August 2009.
3. Anthony Savidis, **Panagiotis Papadakos**, and George Zargianakis. **Rapid Visual Design with Semantics Encoding through 3D CRC Cards**. In *SoftVis '08: Proceedings of the 4th ACM symposium on Software visualization*, pages 193–196, New York, NY, USA, 2008. ACM.
4. Yannis Tzitzikas, Nikos Armenatzoglou, and **Panagiotis Papadakos**. **"Flexplorer": A Framework for Providing Faceted and Dynamic Taxonomy-based Information Exploration**. In *Procs of FIND'2008 (at DEXA '08)*, Turin, Italy, Sept. 2008.
5. Alexandros Mourouzis, Dimitris Grammenos, Marialena Filou, **Panagiotis Papadakos**, and Constantine Stephanidis. **Case Study: Sequential Evaluation of the Virtual Prints Concept and Pilot Implementation**. In *Proceedings of the Workshop on Virtual Reality Design and Evaluation*, Nottingham, United Kingdom, January 2004.
6. Dimitris Grammenos, Marialena Filou, **Panagiotis Papadakos**, and Constantine Stephanidis. **Virtual Prints: Leaving Trails in Virtual Environments**. In S. Müller and W. Stürzlinger, editors, *Eighth Eurographics Workshop on Virtual Environments*, pages 131–138, Barcelona, Spain, 2002. Eurographics Association.

Technical Reports

1. **Panagiotis Papadakos**, Yannis Theoharis, Yannis Marketakis, Nikos Armenatzoglou, and Yannis Tzitzikas. **Object-Relational Database Representations for Text Indexing**. *CoRR, Information Retrieval*, abs/0906.3112, 2009. Available at <http://arxiv.org/abs/0906.3112>.
2. **Panagiotis Papadakos**, Giorgos Vasiliadis, Yannis Theoharis, Nikos Armenatzoglou, Stella Kopidaki, Yannis Marketakis, Manos Daskalakis, Kostas Karamaroudis, Giorgos Linardakis, Giannis Makrydakakis, Vangelis Papathanasiou, Lefteris Sardis, Petros Tsialiamanis, Georgia Troullinou, Kostas Vandikas, Dimitris Velegrakis, and Yannis Tzitzikas. **The Anatomy of Mitos Web Search Engine**. *CoRR, Information Retrieval*, abs/0803.2220, 2008. Available at <http://arxiv.org/abs/0803.2220>.
3. **Panagiotis Papadakos**. **Very Rapid Software - Design Prototyping With Interactive 3D CRC Cards**. Master's Thesis, Computer Science Department, University of Crete, Heraklion, Greece, 2007.

CONFERENCES, TALKS, COMMUNITY SERVICE AND OTHER SCIENTIFIC ACTIVITIES

September 2009	Participated and attended 13th European Conference on Digital Libraries (ECDL'09) , Corfu, Greece.
2008	Writer of educational materials for the training module <i>Advanced Object Programming Environment in JAVA</i> for the project <i>Training Informatics Teachers (PE19-PE20)</i> .
August 2008	Participated and attended the 12th Pan-Hellenic Conference on Informatics (PCI' 2008) , Samos, Greece.
2006 - Present	Participation in the mitos (formely known as GRoogle) project, under the supervision of Prof. Yannis TZITZIKAS .
2006	Participation in the implementation of a Collaborative Location Sensing System (CLS) under the supervision of Prof. Maria PAPAPOULI .
2004 - 2008	Participation in the European project <i>Intuition Network of Excellence</i> .
June 2003	Organized, participated and attended HCI International 2003 (HCII 2003) , Heraklion, Greece.
2002	Created a virtual gallery of Domenicos Theotokopoulos paintings as a project for the Design and Development of Educational Software HY302-HY402 lessons at the Computer Science Department of University of Crete, under the supervision of Prof. Yannis KOLIAS. The gallery was shown in an Elementary School.
2002	3 days seminar in Lightning at Fraunhofer Institute for Industrial Engineering.
2001-2003	Participation in the European project <i>View of the future</i> .

SKILLS

<i>Prog. Lang.:</i>	C, C++, Java, C#, Visual Basic, Prolog, Python, Ruby, Matlab, Sparc Assembly, Verilog, QBasic, Logo.
<i>Web Prog.:</i>	JSP, Java Servlets.
<i>Scrip. Tools:</i>	JavaScript, CGI scripting.
<i>OS:</i>	Linux, Solaris, SunOs, HP-UX, Windows (usage, administration/maintenance).
<i>Markup Lang.:</i>	HTML, CSS, VRML, SALT.
<i>Databases:</i>	PostgreSQL, Oracle, MYSQL.
<i>3D APIs:</i>	Maverik, OpenSceneGraph, OpenGL, Adobe Atmosphere.
<i>3D Modeling:</i>	Blender, Maya, XSI.
<i>Imaging:</i>	Gimp, Photoshop.
<i>Sound APIs:</i>	OpenAL.
<i>Location Sensing:</i>	Ekahau, CLS.
<i>Parsers/Lexical Analyzers:</i>	compiler generator tools ((f)lex/jflex,yacc/javacc/bison).

AWARDS

2009	Received a student scholarship to attend the 13th European Conference on Digital Libraries (ECDL'09) , Corfu, Greece.
2008 - 2010	Received a scholarship from ICS-FORTH for PhD studies in the Computer Science Department of the University of Crete , Heraklion.
2005 - 2008	Received a scholarship from ICS-FORTH for M.Sc. studies in the Computer Science Department of the University of Crete , Heraklion.
2001 - 2005	Received a scholarship from ICS-FORTH for undergraduate studies in the Computer Science Department of the University of Crete , Heraklion.
1993 - 1999	Received honours yearly (except the last year) during Secondary/High School, graduated with 18 5/11 (Very good).

TEACHING EXPERIENCE

<i>Fall 2010</i>	Information Retrieval Systems (undergraduate) University of Crete, Instructor: Prof. Yannis TZITZIKAS.
<i>Spring 2010</i>	Web Programming (undergraduate) University of Crete, Instructor: Prof. Yannis TZITZIKAS.
<i>Fall 2009</i>	Information Retrieval Systems (undergraduate) University of Crete, Instructor: Prof. Yannis TZITZIKAS.
<i>Spring 2009</i>	Information Retrieval Systems (undergraduate) University of Crete, Instructor: Prof. Yannis TZITZIKAS.
<i>Spring 2008</i>	Advanced Database Topics (graduate) University of Crete, Instructors: Prof. Yannis TZITZIKAS and Prof. Nicolas SPYRATOS.
<i>Spring 2008</i>	Information Retrieval Systems (undergraduate) University of Crete, Instructor: Prof. Yannis TZITZIKAS.
<i>Spring 2007</i>	Information Retrieval Systems (undergraduate) University of Crete, Instructor: Prof. Yannis TZITZIKAS.
<i>Fall 2006</i>	Mobile and Multimedia Interfaces Engineering Development (undergraduate) University of Crete, Instructor: Prof. Anthony SAVIDIS.
<i>Spring 2006</i>	Data Structures (undergraduate) University of Crete, Instructor: Prof. Ioannis TOLLIS.
<i>Fall 2005</i>	Programming in C (undergraduate) University of Crete, Instructor: Prof. Dimitris KOTZINOS.
<i>Spring 2005</i>	Human Computer Interaction (undergraduate) University of Crete, Instructor: Prof. Constantine STEPHANIDIS.

REFERENCES

<i>Prof. Yannis TZITZIKAS</i>	Assistant Professor at the University of Crete & Researcher at ICS-FORTH, Heraklion, Greece. email: tzitzik@ics.forth.gr
<i>Prof. Constantine STEPHANIDIS</i>	Professor at the University of Crete & Researcher at ICS-FORTH, Heraklion, Greece. email: cs@ics.forth.gr
<i>Prof. Anthony SAVIDIS</i>	Associate Professor at the University of Crete & Researcher at ICS-FORTH, Heraklion, Greece. email: as@ics.forth.gr

ADDITIONAL INFORMATION

<i>Military service</i>	Finished my military duties on October 2011.
<i>Languages</i>	GREEK · Mother Tongue ENGLISH · Fluent SPANISH · Baby calling 'papa' ARABIC · Baby calling 'mama'
<i>Interests</i>	Photography · Music · Arts · Sailing
<i>Photography</i>	You can see my photographs in Flickr .

Curriculum Vitæ was written using L^AT_EX...

October 17, 2011