



Panagiotis Papadakos

personal data

Born in Athens, Greece, 1 December 1980

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Current research interests

Information Retrieval and Exploratory Search

Previous research interests

Virtual Reality and 3D UIs

work experience

Feb. 2014 - Now **FORTH-ICS, Heraklion, Greece**

Post-doc Researcher

Currently I work at **Institute of Computer Science at FORTH (FORTH-ICS)**. In this period I have collaborated with the **Information System Laboratory (ISL)** in the context of the the **SCIDIP-ES** project, the **APARSEN** NoE for providing digital preservation support through Semantic Web technologies and evaluating the prototype **Epimenidis**, the **LifeWatch Greece** project for developing annotation services and the **Bluebridge** project for implementing an online 3D visualization tool of LOD datasets. Further, I have participated in the development of a movie recommendation engine in collaboration with Forthnet and the deployment of a big data processing infrastructure inside FORTH. Currently, I have also worked on a project that aims at developing a Spoken Dialogue System based on Linked-Data in collaboration with the Speech Technology Group of the Toshiba Research Laboratory in Cambridge. Currently, I work on the **ADVANCED RESEARCH ACTIVITIES IN BIOMEDICAL TECHNOLOGY & AGRICULTURE [VITAD]** project, where I design and develop an online service and platform for storing the characteristics / measurements of food products and extract their correlations through analysis. In the same project I work on a web tool for the management of annotated medical images with a corresponding search functionality. Finally, I am a visiting lecturer at the Computer Science Department of the University of Crete, where I teach the courses of Web Programming and Information Retrieval.

Sep. 2013 - Jan. 2014 **FORTH-ICS, Heraklion, Greece**

PhD Scholar

During the last months of my period as a PhD student I was supported by the **Institute of Computer Science at FORTH (FORTH-ICS)**. I collaborated with the **Information System Laboratory (ISL)** in the context of the the **APARSEN** NoE, implementing the dependency management system for digital preservation services.

Oct. 2011 - Aug. 2013 **Heracleitus II, Heraklion, Greece**

PhD Scholar

Continued my PhD Research, co-financed by the European Union (European Social Fund – ESF) and Greek national funds through the Operational Program “Education

and Lifelong Learning” of the National Strategic Reference Framework (NSRF) - Research Funding Program: “Heracleitus II. Investing in knowledge society through the European Social Fund”. I successfully defended my PhD thesis entitled **“Interactive Exploration of Multi-Dimensional Information Spaces with Preference Support”** on the 25th of November 2013. The prototype exploratory search system **Hippalus** realizes the proposed preference framework over RDF data.

Mar. 2011 - Oct. 2011 Greek Army, Kos, Greece

Network
Deployment and
Maintenance

Provided Network Deployment and Maintenance services during my military duties in 80 MEΘ (Anti-aircraft artillery unit) in Kos.

2008 - 2010 FORTH-ICS, Heraklion, Greece

PhD
Scholar/Research
Assistant

Worked at **Institute of Computer Science at FORTH (FORTH-ICS)**, collaborating with 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, results clustering, and DBMS approaches for Web Search Engines. Furthermore, I worked on applying the multi-dimensional FDT exploratory search model over ESA’s (European Space Agency) data in the context of “EO User Service Next Generation”. Finally, in the context of the European project **3D-COFORM- Tools and Expertise for 3D Collection Formation**, I worked on designing tools for inserting data to the object and metadata repository.

2005 - 2008 FORTH-ICS, Heraklion, Greece

Graduate
Scholar/Research
Assistant

Worked at **Institute of Computer Science at FORTH (FORTH-ICS)**, 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 design tool **Flying Circus**, that offers 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.

2004 - 2005 FORTH-ICS, Heraklion, Greece

Intership

In the context of the **EYTEXNOS** project “Training in Information and Telecommunication Assistive Technologies for People with Disabilities”, I worked on the *Development of an accessible electronic questionnaire for the Web, using the Speech Application Language Tags (SALT) technology.*

2004 - 2005 FORTH-ICS, Heraklion, Greece

Specialization
Scholar/Research
Assistant

Worked at **Institute of Computer Science at FORTH (FORTH-ICS)**, 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 holding the Access Point map of ICS.

2001 - 2004 FORTH-ICS, Heraklion, Greece

Undergraduate
Scholar/Research
Assistant

Worked at **Institute of Computer Science at FORTH (FORTH-ICS)**, 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. Finally, I participated in the European project *View of the future* and the European *Intuition Network of Excellence*.

education

- Nov. 2013 **Computer Science Department, University of Crete, Heraklion, Greece**
- PhD in Computer Science*
- Major: Information Systems
 PhD Thesis: **"Interactive Exploration of Multi-Dimensional Information Spaces with Real-time Preference Elicitation"**
 Advisor: **Prof. Yannis Tzitzikas**
- Nov. 2007 **Computer Science Department, University of Crete, Heraklion, Greece**
- M.Sc in Computer Science*
- 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)
- Sep. 2004 **Computer Science Department, University of Crete, Heraklion, Greece**
- B.Sc in Computer Science*
- Diploma Thesis: **"Virtual Prints: Development of a pilot system to study an innovative Virtual Environments interaction technique"** · Thesis Grade: 10/10 (Excellent)
 (More info: [About Virtual Prints \(ViPs\)](#))
 Advisor: **Prof. Constantine Stephanidis**
 B.Sc Grade: 6.86/10 (Very good)

publications

Refereed Journal Publications

1. Evaggelia Pitoura and Panayiotis Tsaparas and Giorgos Flouris and Irini Fundulaki and **Panagiotis Papadakos** and Serge Abiteboul and Gerhard Weikum **On Measuring Bias in Online Information**. SIGMOD Record, 46 (4), pp 16-21, 2017.
2. Yannis Tzitzikas and Nikos Manolis and **Panagiotis Papadakos**, **Faceted Exploration of RDF/S Datasets: A Survey**. Journal of Intelligent Information Systems (JIIS), 48 (2), pp 329-364, 2017.
3. Christina Lantzaki and **Panagiotis Papadakos** and Anastasia Analyti and Yannis Tzitzikas. **Radius-aware Approximate Blank Node Matching using Signatures**. In *Knowledge and Information Systems*, 50 (2), pp 505-542, Springer, 2017.
4. Nikos Minadakis and Yannis Marketakis and Martin Doerr and Chrisoula Bekiari and **Panagiotis Papadakos** and Alexandros Gougousis and Nicolas Bailly and Christos Arvanitidis. **LifeWatch Greece data-services: Discovering Biodiversity Data using Semantic Web Technologies** In *Biodiversity Data Journal*, 2016.
5. Yannis Tzitzikas and Nicolas Bailly and **Panagiotis Papadakos** and Nikos Minadakis and George Nikitakis. **Using preference-enriched faceted search for species identification** In *International Journal of Metadata, Semantics and Ontologies*, 11 (3), pp 165-179, 2016.
6. **Panagiotis Papadakos** and Yannis Tzitzikas. **Comparing the Effectiveness of Intentional Preferences versus Preferences over Specific Choices: A User Study**. In *International Journal of Information and Decision Sciences*, Interscience Publishers, 8 (4), pp. 378-403, 2016.
7. Pavlos Fafalios and **Panagiotis Papadakos** and Yannis Tzitzikas. **Enriching Textual Search Results at Query Time using Entity Mining, Linked Data and**

Link Analysis. In *International Journal of Semantic Computing*, World Scientific Publishing Company, 8 (4), 515-, 2015.

8. Pavlos Fafalios and **Panagiotis Papadakos**. **Theophrastus: On Demand and Real-Time Automatic Annotation and Exploration of (Web) Documents using Open Linked Data.** In *Web Semantics: Science, Services and Agents on the World Wide Web*, Special Issue on Life Science and e-Science, 29, pp 31-38, Elsevier (ISSN: 1570-8268), 2014.
9. Yannis Tzitzikas and **Panagiotis Papadakos**. **Interactive Exploration of Multidimensional and Hierarchical Information Spaces with Real-Time Preference Elicitation.** In *FUNDAMENTA INFORMATICA Journal*, 122 (4), pp 357-399, 2013.
10. **Panagiotis Papadakos**, Stella Kopidaki, Nikos Armenatzoglou and Yannis Tzitzikas. **On exploiting Static and Dynamically mined Metadata for Exploratory Web Searching.** In *KAIS Journal*, 30 (3), pp 493-525, March 2012.

Refereed Conference
Publications

1. George Kadilierakis, Pavlos Fafalios, **Panagiotis Papadakos** and Yannis Tzitzikas. **Keyword Search over RDF using Document-centric Information Retrieval Systems.** In *ESWC: 17th European Semantic Web Conference*, 31 May - 4 June, 2020, Heraklion, Greece.
2. **Panagiotis Papadakos** and Giannis Konstantakis. **bias goggles - Graph-based Computation of the Bias of Web Domains through the Eyes of Users.** In *ECIR: 42th European Conference on Information Retrieval*, 14-17 April 2020, Lisbon, Portugal, **Best Long Paper Award.**
3. **Panagiotis Papadakos** and Orfeas Kalipolitis. **Dualism in Topical Relevance.** Short paper. In *ECIR: 42th European Conference on Information Retrieval*, 14-17 April 2020, Lisbon, Portugal.
4. Norbert Braunschweiler, **Panagiotis Papadakos**, Margaritta Kotti, Yannis Marketakis, and Yannis Tzitzikas. **Crowd-sourced Collection of Task-Oriented Human-Human Dialogues in a Multi-Domain Scenario.** In *TSD 2019: 22th International Conference on TEXT, SPEECH and DIALOGUE*, 10-13 September 2019, Ljubljana, Slovenia.
5. Giorgos Flouris, Theodore Patkos, Ioannis Chrysakis, Ioulia Konstantinou, Nikolay Nikolov, **Panagiotis Papadakos**, Jeremy Pitt, Dumitru Roman, Alexandru Stan, and Chrysostomos Zeginis. **Towards A Collective Awareness Platform for Privacy Concerns and Expectations.** In *CoopIS 2018: 26th International Conference on Cooperative Information Systems*, 24-26 October 2018, Valletta, Malta.
6. Alexandros Papangelis, **Panagiotis Papadakos**, Yannis Stylianou and Yannis Tzitzikas. **Spoken Dialogue for Information Navigation.** Short paper, In *Proceedings of the 19th Annual Meeting of the Special Interest Group on Discourse and Dialogue (SIGDIAL 2018)*, Melbourne, Australia, July 2018.
7. Yannis Tzitzikas and Nicolas Bailly and **Panagiotis Papadakos** and Nikos Minadakis and George Nikitakis. **Species Identification Through Preference-Enriched Faceted Search.** In *MTSR '15: Research Conference on Metadata and Semantics Research*, September 2015.
8. 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.
9. **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.
10. 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.
11. **Panagiotis Papadakos**, Yannis Theoharis, Yannis Marketakis, Nikos Armenatzoglou, and Yannis Tzitzikas. **Mitos: Design and Evaluation of a DBMS-based Web Search Engine.** In *PCI*, 0:49-53, August 2008.

12. 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.

Refereed Workshop
Publications

1. Eleftherios Dimitrakis, Konstantinos Sgontzos, **Panagiotis Papadakos**, Yannis Marketakis, Alexandros Papangelis, Yannis Stylianou, and Yannis Tzitzikas. **On Finding the Relevant User Reviews for Advancing Conversational Faceted Search**. In *4th Workshop on Sentic Computing, Sentiment Analysis, Opinion Mining, and Emotion Detection at ESWC2018*, Heraklion, Crete, Greece, 2018.
2. Maria-Evangelia Papadaki and **Panagiotis Papadakos** and Michalis Mountantonakis and Yannis Tzitzikas. **An Interactive 3D Visualization for the 3D Cloud**. In *International Workshop on Big Data Visual Exploration and Analytics (BigVis'2018 at EDBT/ICDT 2018)*, Vienna, Austria, March, 2018. [System Link](#).
3. Alexander Papangelis and **Panagiotis Papadakos** and Margarita Kotti and Yannis Stylianou and Yannis Tzitzikas and Dimitris Plexousakis. **LD-SDS: Towards an Expressive Spoken Dialogue System based on Linked-Data**. In *Proceedings of the Search Oriented Conversational AI SCAI 17 Workshop, Co-located with ICTIR 17*, 2017.
4. **Panagiotis Papadakos** and Yannis Tzitzikas. **Hippalus: Preference-enriched Faceted Exploration**. In *ExploreDB '14: Proceedings of the 1st International Workshop on Exploratory Search in Databases and the Web Co-located with EDBT/ICDT 2014*, October 2015.
5. Theodore Patkos, Giorgos Flouris, **Panagiotis Papadakos**, Antonis Bikakis, Pompeu Casanovas, Jorge González-Conejero, Rebeca Varela Figueroa, Anthony Hunter, Guðjón Idir, George Ioannidis, Marta Kacprzyk-Murawska, Andrzej Nowak, Jeremy Pitt, Dimitris Plexousakis, Agnieszka Rychwalska and Alexandru Stan. **Privacy-by-Norms Privacy Expectations in Online Interactions**. In *SASOW '15 Workshops, Self-Adaptive and Self-Organizing Systems Workshops*, March 2015.
6. **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.
7. **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.
8. 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.
9. 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.
10. 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.
11. 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.

Refereed Demo
Publications

1. George Kadilierakis, Christos Nikas, Pavlos Fafalios, **Panagiotis Papadakos** and Yannis Tzitzikas. **Elas4RDF: Multi-perspective Triple-centered Keyword Search over RDF using Elasticsearch**. In *ESWC: 17th European Semantic Web Conference*, 31 May - 4 June, 2020, Heraklion, Greece.
2. Giannis Konstantakis, Giannis Promponas, Manos Dretakis and **Panagiotis Papadakos**. **bias goggles: Exploring the Bias of Web Domains through the Eyes of Users**. Demo paper. In *International Workshop on Algorithmic Bias in Search and*

Recommendation (Bias 2020), held as part of the 42nd European Conference on Information Retrieval (ECIR 2020), 14-17 April 2020, Lisbon, Portugal.

3. Nikolaos Fanourakis and **Panagiotis Papadakos**. **An Information System for Caves Based on Semantic Web Technologies**. Demo paper, In *European Semantic Web Conference 2018 (ESWC'2018)*, Heraklion, Greece, June 2018.
4. Alexandros Papangelis, **Panagiotis Papadakos**, Norbert Braunschweiler, Yannis Stylianou, Yannis Marketakis, Yannis Tzitzikas. **Information Navigation via Spoken Dialogue and Linked Data**. In *IEEE International Conference on Acoustics, Speech and Signal Processing - ICASSP 2018*, Calgary, Alberta, Canada, April 2018.
5. **Panagiotis Papadakos**, Yannis Tzitzikas and Dafni Zafeiri. **An Interactive Exploratory System with Real-Time Preference Elicitation**. In *Web Information Systems Engineering - WISE 2012*, Pafos, Cyprus, Volume 7651, p. 817-820, November 2012.

Technical Reports

1. Evaggelia Pitoura, Panayiotis Tsaparas, Giorgos Flouris, Iridi Fundulaki, **Panagiotis Papadakos**, Serge Abiteboul, Gerhard Weikum: **On Measuring Bias in Online Information**. *CoRR, Information Retrieval*, abs/1704.05730, Oct. 2017. Available at <http://arxiv.org/abs/1704.05730>.
2. **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>.
3. **Panagiotis Papadakos**, Giorgos Vasiliadis, Yannis Theoharis, Nikos Armenatzoglou, Stella Kopidaki, Yannis Marketakis, Manos Daskalakis, Kostas Karamaroudis, Giorgos Linardakis, Giannis Makrydakis, 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>.

Theses

1. **Panagiotis Papadakos**. **Interactive Exploration of Multi-Dimensional Information Spaces with Preference Support**. PhD Dissertation, Computer Science Department, University of Crete, Heraklion, Greece, 2013.
2. **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, projects, community service and other scientific activities

2017-2019	Participate in "A Linked Data-assisted Statistical Spoken Dialogue System, TOSHIBA RESEARCH EUROPE Ltd" project
2016	Participated in "SIEMENS Υποέργο 4 (ΕΞΕΡΕΥΝΩΝΤΑΣ ΤΗΝ ΑΛΥΣΙΔΑ ΑΞΙΑΣ ΤΩΝ ΜΕΓΑΛΩΝ ΔΕΔΟΜΕΝΩΝ: ΔΙΑΧΕΙΡΙΣΗ ΚΑΙ ΑΝΑΛΥΣΗ ΔΕΔΟΜΕΝΩΝ ΣΕ ΜΕΓΑΛΗ ΚΛΙΜΑΚΑ" project
2016	Participated in a movies recommendation project in collaboration with FORTH-net
2016	Apache Spark - 3 hour Tutorial presented twice at FORTH, Heraklion, Crete.
Sep. 2015	Attended 9th Metadata and Semantics Research Conference , Manchester, Uk.
2015	Participated in the European project <i>LifeWatch-Greece</i> .
2015	git - A little tale - Tutorial presented at FORTH, Heraklion, Crete.
2014	Participated in the European project <i>Bluebridge Innovative technologies at the service of the aquacultures, fisheries & research sectors</i> .
Jul. 2014	Attended and co-organized the 3rd MUMIA Training School on Information Retrieval and Interactive Information Access , Heraklion, Greece.
May 2014	Attended 11th ESWC 2014 , Heraklion, Greece.
Mar. 2014	Participated and attended EDBT/ICDT 2014 Joint Conference , Athens, Greece.

2014	Participated in the European project <i>SCIDIP-ES - Science Data Infrastructure for Preservation - Earth Science</i> .
2013 - 2014	Participated in the European NoE <i>APARSEN - Alliance Permanent Access to the Records of Science in Europe Network</i> .
Dec. 2012	Presented "Interactive Exploration of Multi-dimensional Information Spaces with Real-time Preference Elicitation", in the two days workshop "Heracleitus II - The University of Crete in the Service of Science".
Sep. 2012	Attended <i>1st MUMIA Training School</i> , Olympiada, Greece.
2010	Participated in the European project <i>3D-COFORM- Tools and Expertise for 3D Collection Formation</i> .
May 2010	Talk entitled "Exploratory Web Searching" in 2 days Informatics workshop in the Computer Science Department, University of Crete .
2009-2010	Participated in ESA's project <i>EO User Service Next Generation</i> .
Sep. 2009	Participated and attended <i>13th European Conference on Digital Libraries (ECDL'09)</i> , 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> .
Aug. 2008	Participated and attended the <i>12th Pan-Hellenic Conference on Informatics (PCI' 2008)</i> , Samos, Greece.
2006 - 2012	Participation in the <i>mitos</i> (formely known as GRoogle) project, under the supervision of <i>Prof. Yannis Tzitzikas</i> .
2006	Participation in the implementation of a Collaborative Location Sensing System (CLS) under the supervision of <i>Prof. Maria Papadopouli</i> .
2004 - 2008	Participation in the European project <i>Intuition Network of Excellence</i> .
Jun. 2003	Organized, participated and attended <i>HCI International 2003 (HCII 2003)</i> , Heraklion, Greece.
2002	Created a virtual gallery of Domenicos Theotokopoulos paintings as a project for the Design and Development of Educational Software <i>HY302-HY402</i> lessons at the Computer Science Department of University of Crete, under the supervision of Prof. Yannis Koliass. The gallery was shown in an Elementary School.
2002	3 days seminar in the Virtual Reality library <i>Lightning</i> at Fraunhofer Institute for Industrial Engineering.
2001-2003	Participation in the European project <i>View of the future</i> .

skills

<i>Prog. Lang. (Fluent):</i>	Java, Javascript, C, C++
<i>Prog. Lang. (Basic):</i>	Haskell, Clojure, Scala, Python
<i>Web Prog. (server):</i>	JSP, Servlets, REST services
<i>Web Prog. (client):</i>	HTML5, CSS3, JS, Elm, VRML, SALT
<i>Big Data Computing:</i>	Apache Spark
<i>Semantic Web:</i>	RDF/S, OWL, SPARQL
<i>OS:</i>	Linux (administration/maintenance)
<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>Other tools :</i>	git, svn, bazaar, mercurial

awards

1-2 July 2013	Received the 1st Prize in the Blue Hackathon with Pavlos Fafalios Blue Hackathon 2013 , Heraklion, where we presented <i>Theophrastus, A Semantic Exploration Tool for Marine Taxonomists</i>
October 2011 - November 2013	Received a scholarship from Hrakleitos II for PhD studies in the Computer Science Department of the University of Crete , Heraklion.
2009	Received a student scholarship to attend the 13th European Conference on Digital Libraries (ECDL'09) , Corfu, Greece.
2008 - 2010	Received a scholarship from FORTH-ICS for PhD studies in the Computer Science Department of the University of Crete , Heraklion.
2005 - 2008	Received a scholarship from FORTH-ICS for M.Sc. studies in the Computer Science Department of the University of Crete , Heraklion.
2001 - 2005	Received a scholarship from FORTH-ICS 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

Instructor

Winter 2020	Web Programming (undergraduate) University of Crete, Computer Science Department , as a visiting lecturer based on the program Απόκτηση Ακαδημαϊκής Διδακτικής Εμπειρίας σε Νέους Επιστήμονες Κατόχους Διδακτορικού 2020 – 2021 .
Spring 2020	Information Retrieval (undergraduate) University of Crete, Computer Science Department , as a visiting lecturer based on the program Απόκτηση Ακαδημαϊκής Διδακτικής Εμπειρίας σε Νέους Επιστήμονες Κατόχους Διδακτορικού 2019 – 2020 .
Winter 2019	Web Programming (undergraduate) University of Crete, Computer Science Department , as a visiting lecturer based on the program Απόκτηση Ακαδημαϊκής Διδακτικής Εμπειρίας σε Νέους Επιστήμονες Κατόχους Διδακτορικού 2019 – 2020 .
Spring 2019	Information Retrieval (undergraduate) University of Crete, Computer Science Department , as a visiting lecturer based on the program Απόκτηση Ακαδημαϊκής Διδακτικής Εμπειρίας σε Νέους Επιστήμονες Κατόχους Διδακτορικού 2018 – 2019 .
Winter 2018	Web Programming (undergraduate) University of Crete, Computer Science Department , as a visiting lecturer based on the program Απόκτηση Ακαδημαϊκής Διδακτικής Εμπειρίας σε Νέους Επιστήμονες Κατόχους Διδακτορικού 2018 – 2019 .
Winter 2017	Web Programming (undergraduate) University of Crete, Computer Science Department , as a visiting lecturer based on the program Απόκτηση Ακαδημαϊκής Διδακτικής Εμπειρίας σε Νέους Επιστήμονες Κατόχους Διδακτορικού 2017 – 2018 .
Winter 2016	Web Programming (undergraduate) University of Crete, Computer Science Department , as a visiting lecturer based on the program Απόκτηση Ακαδημαϊκής Διδακτικής Εμπειρίας σε Νέους Επιστήμονες Κατόχους Διδακτορικού 2016 – 2017 .
Spring 2015	Web Programming (undergraduate) University of Crete, Computer Science Department as a visiting lecturer in cooperation with Prof. Yannis Tzitzikas.

Teaching Assistant

Spring 2014	Information Retrieval Systems (advanced undergraduate) University of Crete, Computer Science Department , Instructor: Prof. Yannis Tzitzikas. Organized the course's project, related to the development of an information retrieval system, supporting multilingual synonyms, hyponyms, hypernyms, meronyms, etc. by using the Universal Wordnet .
Fall 2013	Object Oriented Programming (undergraduate) University of Crete, Computer Science Department , Instructor: Prof. Yannis Tzitzikas. Organized the course's project, which was related to an atonal and regular music composer and player.
Spring 2013	Web Programming (undergraduate) University of Crete, Computer Science Department , Instructor: Prof. Yannis Tzitzikas.
Fall 2012	Information Retrieval Systems (advanced undergraduate) University of Crete, Computer Science Department , Instructor: Prof. Yannis Tzitzikas.

Spring 2012	Advanced Database Topics (graduate) University of Crete, Computer Science Department, Instructors: Prof. Yannis Tzitzikas and Prof. Vassilis Christofides.
Fall 2011	Information Retrieval Systems (advanced undergraduate) University of Crete, Computer Science Department, Instructor: Prof. Yannis Tzitzikas.
Fall 2010	Information Retrieval Systems (advanced undergraduate) University of Crete, Computer Science Department, Instructor: Prof. Yannis Tzitzikas.
Spring 2010	Web Programming (undergraduate) University of Crete, Computer Science Department, Instructor: Prof. Yannis Tzitzikas.
Fall 2009	Information Retrieval Systems (advanced undergraduate) University of Crete, Computer Science Department, Instructor: Prof. Yannis Tzitzikas.
Spring 2009	Information Retrieval Systems (advanced undergraduate) University of Crete, Computer Science Department, Instructor: Prof. Yannis Tzitzikas.
Spring 2008	Advanced Database Topics (graduate) University of Crete, Computer Science Department, Instructors: Prof. Yannis Tzitzikas and Prof. Nicolas Spyros.
Spring 2008	Information Retrieval Systems (advanced undergraduate) University of Crete, Computer Science Department, Instructor: Prof. Yannis Tzitzikas.
Spring 2007	Information Retrieval Systems (advanced undergraduate) University of Crete, Computer Science Department, Instructor: Prof. Yannis Tzitzikas.
Fall 2006	Mobile and Multimedia Interfaces Engineering Development (advanced undergraduate) University of Crete, Computer Science Department, Instructor: Prof. Anthony Savidis.
Spring 2006	Data Structures (undergraduate) University of Crete, Computer Science Department, Instructor: Prof. Ioannis Tollis.
Fall 2005	Programming in C (undergraduate) University of Crete, Computer Science Department, Instructor: Prof. Dimitris Kotzinos.
Spring 2005	Human Computer Interaction (advanced undergraduate) University of Crete, Computer Science Department, Instructor: Prof. Constantine Stephanidis.

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additional information

<i>Military service</i>	Finished my military duties on October 2011.
<i>Languages</i>	Greek · Mother Tongue English · Fluent
<i>Interests</i>	Photography · Music · Arts · Caving · Astronomy
<i>Photography</i>	You can see my photographs in Flickr .

Curriculum Vitæ was written using $X_{\text{E}}\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}...$

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