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RESEARCH INTERESTS

- Databases, specifically Personal Information Management Systems, Information Retrieval, Web Data management, Software Engineering, Digital Libraries, HCI.

EDUCATION

- Ph.D.** Computer Science, Rutgers University, September 2013-present.
Advisor: Prof. Alexander Borgida, Prof. Amelie Marian. **GPA: 4.0/4.0.**
- M.Sc** Electronic and Computer Engineering, Technical University of Crete, 2013.
Advisor: Prof. Stavros Christodoulakis. **GPA: 10.0/10.0.**
- Diploma** (5-year program, equivalent to M.Eng.), Electronic and Computer Engineering, Technical University of Crete, 2011,
Advisor: Prof. Stavros Christodoulakis, **GPA: 8.37/10.0.**

PAPERS IN REFEREED CONFERENCES AND WORKSHOPS

- 2018 **YourDigitalSelf: A Personal Digital Trace Integration Tool**, Kalokyri V., Borgida A., Marian A., in *Proceedings of the ACM International Conference on Information and Knowledge Management (CIKM'18)*.
- 2017 **Semantic Modeling and Inference with Episodic Organization for Managing Personal Digital Traces**, Kalokyri V., Borgida A., Marian A., Vianna D., in *Proceedings of the 16th International Conference on Ontologies, Databases, and Applications of Semantics (ODBASE'17)*.
- 2017 **Integration and Exploration of Connected Personal Digital Traces**, Kalokyri V., Borgida A., Marian A., Vianna D., in *Proceedings of the ExploreDB'17 @ SIGMOD/PODS, ACM*.
- 2014 **A Single-Switch Scanning Interface for Robot Control by Quadriplegics**, Kalokyri V., Shome R., Yochelson I., Bekris K. E., in *IEEE/RSJ International Conference on Intelligent Robots and Systems Workshop on Assistive Robotics for Individuals with Disabilities: HRI Issues and Beyond. (IROS)*
- 2013 **Metadata management and interoperability support for natural history museums**, Makris K., Skevakis G., Kalokyri V., Arapi P., Christodoulakis S., in *Proceedings of the 17th International Conference on Theory and Practice of Digital Libraries (TPDL)*
- 2013 **Federating Natural History Museums in Natural Europe**, Makris K., Skevakis G., Kalokyri V., Arapi P., Christodoulakis S., Stoitsis J., Manolis N., Rojas S. L., in *Proceedings of the Metadata Semantics and Research Conference (MTSR)*
- 2011 **Bringing environmental culture content into the Europeana.eu portal: The Natural Europe Digital Libraries Federation infrastructure**, Makris K., Skevakis G., Kalokyri V., Gioldasis N., Kazasis F. G., Christodoulakis S., in *Proceedings of the 5th Metadata and Semantic Research Conference (MTSR)*

PAPERS IN REFEREED JOURNALS

- 2014 **Metadata management, interoperability and Linked Data publishing support for Natural History Museums**, Skevakis G., Makris K., Kalokyri V., Arapi P., Christodoulakis S., in *International Journal on Digital Libraries (IJDL)*

AWARDS & DISTINCTIONS

- 2015 **Gerondelis Graduate Student Fellowship Award**, Gerondelis Foundation.
- 2013 **Best student paper award**, 7th Metadata and Semantics Research Conference (MTSR).
- 2013 **Best student paper nomination**, 17th International Conference on Theory and Practice of Digital Libraries. (TPDL)
- 2006-2009 **Undergraduate Performance Fellowship Award** for three consecutive years, Office of Sponsored Research, Technical University of Crete, awarded to the top 10% of the class.

TEACHING/WORK EXPERIENCE

- **Teaching Assistant, CS336: Principles of Information and Data Management**, Rutgers University, Fall 2018, Summer 2018, Spring 2018, Fall 2017, Summer 2017, Spring 2017, Fall 2016, Summer 2016, Spring 2016, Spring 2014
- **Teaching Assistant, CS541: Database Systems**, Rutgers University, Spring 2015
- **Teaching Assistant, CS437/539: Database Systems Implementation**, Rutgers University, Fall 2015, Fall 2014
- **Teaching Assistant, CS111: Introduction to Computer Science**, Rutgers University, Summer 2015, Fall 2013
- **Summer Internship in the Hellenic Telecommunications Organization**, Heraklion, Greece, Summer 2008.

RESEARCH PROJECTS

- **DigitalSelf**: Personal Information Management project, 2014-now.
Personal Data Extraction, Context-Aware Personal Information Search, Episodic Organization of Personal Digital Traces, Personal Knowledge Base.
Tools/Technologies: *Java, Python, Django framework, Android, MongoDB, SQLite, GIT, NLTK library*
- **Natural Europe**: Natural History and Environmental Cultural Heritage in European Digital Libraries for Education, 2010-2013.
Metadata management, Interoperability and Linked Data Support for Natural History Museums.
Tools/Technologies: *Google Web Toolkit (GWT), RDF(S), SKOS, OWL, XMLBeans, Apache Solr, Subversion, Protege, Jena, eXist DB.*

TECHNICAL SKILLS

- **Programming/Scripting languages**: Java, Python, Matlab, C.
- **Programming environments and tools**: Eclipse IDE, Netbeans IDE, Matlab, Apache Solr, Apache Tomcat, Subversion, GIT, JDBC, XMLBeans, Hadoop, Android Studio, NLTK library, Protege.
- **Web Application Development Technologies**: Google Web Toolkit (GWT), HTML, CSS, Javascript, Java Servlets, Java Server Pages (JSPs), Amazon AWS, XML, XPATH; AJAX, Django framework, RESTfull services, VOICEXML, XSL, XQUERY.
- **Semantic Web Technologies**: RDF(S), SKOS, OWL, SPARQL.
- **Databases**: MySQL, MongoDB, eXist DB.

SELECTED UNDERGRADUATE AND GRADUATE COURSEWORK

- **Course:** Cloud Computing, Rutgers University. (Grade: A)
Project: RU Search engine: Implementation of an inverted index in a scalable manner by using Hadoop.
Tools/Technologies: *Hadoop, MapReduce, Java, Eclipse IDE.*
- **Course:** Software Engineering of Web Applications, Rutgers University. (Grade: A)
Project: Development of a short and long term stock prediction web application by using Kalman Filter (short-term) and SVM (long-term).
Tools/Technologies: *HTML, CSS, Javascript, AJAX, Java, Java Servlets, Java Server Pages (JSPs), DAO (Data Access Objects), MVC pattern, JDBC library, MySQL, Apache Tomcat, Netbeans IDE.*
- **Course:** Software Engineering, Rutgers University, (Grade: A)
Project: Requirements Analysis, Conceptual, Logical and Physical Database Design for BeatMyRun: an android mobile application that synchronizes music according to the user's pace while exercising.
Tools/Technologies: *Android studio, SQL lite*
- **Course:** Design, Development and Management of Web Services, Technical University of Crete. (Grade:10/10)
Project: Modeling and Development of an Open Archival Information System (XML Database, API, Client Application) and development of a SOAP Based Web Service that implements the OAI-PMH Protocol.
Tools/Technologies: *XML, XSL, XQUERY, XPATH, SOAP, WSDL, UDDI, RESTfull services, BPEL*
- **Course:** Human Computer Interaction (Grade:10/10).
Project: Usability Evaluations of "MMAT"(a web-based multimedia authoring tool, used by Natural History Museums, for describing, publishing and organizing the multimedia representations of their exhibits).
Usability engineering methodologies: Use Cases, UML, Paper Prototyping, Power Point Prototyping, Contextual design, Walkthrough Evaluation, Think Aloud Evaluation, Heuristic Evaluation.
- **Course:** Introduction to Speech Processing, Technical University of Crete. (Grade:9.5/10)
Project: Design and implementation of a voice application for ordering food from a university restaurant.
Tools/Technologies: *XML, VOICEXML*
- **Course:** Theory of Computation, Technical University of Crete. (Grade:9/10)
Project: Implementation of a lexical and syntax/semantic analyzer.
Tools/Technologies: *Flex, Bison*

PERSONAL INTERESTS - EXTRA CURRICULAR ACTIVITIES

- Captain of the Rutgers university salsa team, Bronze and Silver medal from the United Kingdom Alliance of Professional Teachers of Dancing (U.K.A).

LANGUAGES

- **Greek** (Mother tongue), **English** (fluent)