

George Ioannou

CONTACT DETAILS

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PERSONAL STATEMENT

Computer scientist with master's degree in geospatial technologies, having twenty years of experience with geographic information systems in the field of database design, data management, software development and consultancy, with focus on cadastral, field survey, land management, cartography, environmental and hazard mitigation projects.

PROFILE

- Extensive experience in geographical information and land information systems application development, geospatial analysis, cartographic products development, cadastral management and database administration.
- Provide consultancy and user support in land information systems, related to cartography, property valuation and survey projects.
- Adapt to high pressure and volatile working environments with communication and organizational skills.
- Native speaker of Greek and fluent in English.

CAREER HISTORY

November 2018 to date	I.O GEO-GRAFICA LTD
Job Title	Geographic Information Systems, Consultant
Main Job Responsibilities	<ul style="list-style-type: none">• Provide consultancy services to organizations related to Land registration systems, cartography, environmental studies, hazard mitigation systems, etc.• Geographic Information Systems analysis, design and implementation• Geospatial Database design, implementation and management• Spatial data collection, classification, analysis, processing and management.• Software development for geospatial data collection, processing and management.
March 2016 – November 2018	Independent Consultant
Job Title	Geographic Information Systems, Analyst
Main Job Responsibilities	<ul style="list-style-type: none">• System analysis and design• Database design and implementation• Software analysis, design and development• Documentation within the scope of projects like database and system

	design documents, administration and user manuals, project status reports.
March 2002 – February 2016	Information Technology Services Department, Cyprus
Job Title	IT Officer Assistant
Main Job Responsibilities	<ul style="list-style-type: none"> • Provide system administration to the Computerized Integrated Land Information System (CILIS), implemented in the Department of Lands and Surveys (DLS). • Document and maintain data workflows and procedures. • Analyze, design and develop computer software (ArcGIS extensions) for spatial data collection, analysis, mapping and integration to fit the needs and the requirements of the Cyprus cadastral system. • Provide training and consultancy to the users of the system. • Solve problems related to the smooth operation of the spatial database.
November 1999 – March 2002	Lands and Surveys Department, Cyprus
Job Title	Draughtsman (Land technical designer)
Main Job Responsibilities	<ul style="list-style-type: none"> • Construct cadastral plans using manual and computerize methods. • Design street, administration, geological and thematic maps. • Design Map series and Atlases for a variety of purposes.
September 1989 – August 1999	Lands and Surveys Department, Cyprus
Job Title	Surveyor Assistant
Main Job Responsibilities	<ul style="list-style-type: none"> • Operate total stations and GPS instruments for field data collection. • Integrate field survey data with GIS Applications.

SKILLS

- Extensive experience in programming with Python, C/C++, Java, C#, JavaScript, etc.
- Familiar with PostgreSQL, Oracle and SQL Server relational database management systems (RDBMS)
- Experience in utilization, customization and support of open source GIS software ecosystem (QGIS Desktop, PostGIS, GeoServer, GDAL/OGR, etc.) and ESRI's ArcGIS platform.
- Advanced knowledge related to the design, administration and management of geospatial databases.
- Provide consultancy to scientific and applied researchers in analyzing, visualizing and mapping spatial and attribute data related to agriculture, forestry, environment, planning, health etc.

PARTICIPATION IN PROFESSIONAL ASSOCIATIONS

Member of the Cyprus Scientific and Technical Chamber (ETEK) (2011-)

PROFESSIONAL CONFERENCES, DAY SEMINARS & WORKSHOPS

ESRI International User Conference, San Diego, California, July 20-24, (2015)

21st ESRI Hellenic User Conference, Thessaloniki, Greece November 5-7, (2008)

27th ESRI International User Conference, San Diego, California, June 18-22, (2007)

21st ESRI European User Conference, Athens, Greece November 6-8, (2006)

EDUCATION

BSc in Computer Science, University of Nicosia, Cyprus

High School Lyceum A' Ethnarch Makariou III, Pafos, Cyprus

Co-supervision of 1 PhD Project, Cyprus University of Technology (2008-2012)

FUNDING & RESEARCH GRANTS

“Tuition Scholarship (high academic standards, CPA 3.92)”. University of Nicosia

AWARDS

2nd Best graduate in BSc Computer Science, University of Nicosia (2011)

PUBLICATIONS

Dissertations

- **Ioannou G., 2011.** “Recursively generated B-Spline surfaces on arbitrary topological meshes”, University of Nicosia, Faculty of Science, BSc Thesis.

Research Papers

- **George Ioannou, Andreas Savva, Vasso Stylianou,** An Efficient Implementation of Subdivision Spline Methods which Generate non-Structured Surfaces, 7th Euro-American Consortium for Promoting the Application of Mathematics in Technical and Natural Sciences (AMiTaNS 2015), AIP (American Institute of Physics) Conference Proceedings, Vol.1684, 100003(2015), doi: 10.1063/1.4934340, Albena, Bulgaria, June 28-July 3, 2015
- **Savva Andreas, Ioannou George, Stylianou Vasso, Portides George,** This paper presents an interactive software program, called Grafica, which is used as a tool to introduce important concepts and algorithms of computer graphics to computer science and computer engineering students. ICICTE Proceedings is the property of International Conference for Information Communication Technologies in Education, 2014.
- **Christoforou M., D. Tsaltas, L. Papayiannis, G. Ioannou, G. Neofytou, P. Fellas, and N. Ioannou, 2011.** An holistic investigation for the characterization of potato cyst nematode populations in Cyprus and their integrated management. In proceedings of the Congress of the Association of Applied Biologists, Advances in Nematology, London UK, December 13th.
- **Christoforou M., D. Tsaltas, L. Papayiannis, G. Ioannou, G. Neofytou, P. Fellas, and N. Ioannou, 2009.** Identification and Mapping of Potato Cyst Nematodes in Cyprus using Molecular Tools and Geographical Information Systems, In proceedings of the Congress of the Association of Applied Biologists, Advances in Nematology. , London UK, December 15th, page 12.

Articles Local Journals

- **Christoforou M., D. Tsaltas, L. Papayiannis, G. Ioannou, G. Neofytou, P. Fellas, and N. Ioannou, 2011.** Identification and mapping of the potato cyst nematodes in Cyprus. Agrotis Journal. ISSN 0256-8519. Vol: 450.

RESEARCH INTEREST

- Remote Sensing and GIS
- Web/Mobile Application development
- Database and System Administration
- 3D Computer Graphics

References available upon request