

# Iordan IORDANOV

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## PERSONAL DATA

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BORN: 20 September 1986 in Stara Zagora, Bulgaria  
ADDRESS: 54 rue Sainte-Anne, 54000 Nancy, France  
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## WORK EXPERIENCE

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|----------|---|
| SEP 2015 | Graduate research assistant at IACM-FORTH, Heraklion, Greece  |
| JAN 2015 | <i>Abdominal Aortic Aneurysm Growth Quantification</i><br>Developed a method for determining the morphological changes of abdominal aortic aneurysms between a reference and a follow-up 3D model. The work encompassed understanding and expanding the Vascular Modelling Toolkit ( <a href="http://www.vmtk.org">http://www.vmtk.org</a> ), as well as data analysis, visualization and presentation with ParaView. |
| JUN 2014 | Software developer at 01s, Sansepolcro, Italy   |
| MAY 2013 | <i>Cadastral Data Management System; Tax Declaration Calculations Engine</i><br>Developed a system for managing real estate and property data extracted from PDF documents. Implemented anew the calculations engine for the 730 Italian tax declaration. The work was mainly done in InstantDeveloper (relational programming IDE), and more lightly in Eclipse (Java and JSP).                                      |
| PRESENT  | Android Apps Developer as AMATEUR OCCUPATION  |
| AUG 2010 | <i>Developing Various Application for Android Devices</i><br>Registered Android Developer on the Google Play Store with a couple of apps published. Recently started exploring Apache Cordova. Occupation triggered by interest in Android ecosystem, work done mainly in Java.   |
| JUN 2012 | Software developer at NANOSOFT, Chania, Greece  |
| DEC 2009 | <i>Hand-held Devices Order Placing System</i><br>Worked on the client side of an orders placing system. The work involved understanding and implementing client-server technologies and database access (MS Access). The IDE used was Visual Studio (VB .NET and WPF).  |
| OCT 2009 | Warehouse manager at ERBAMEA SRL., Lama di San Giustino, Italy  |
| JUL 2007 | <i>Quality Control, Goods Reception, Confectioning and Shipment</i>   |

## EDUCATION

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| DEC 2018 | Ph.D. in COMPUTER SCIENCE, <b>Université de Lorraine</b> , France<br>Major: Computational Geometry<br>Thesis: <i>"Triangulations of hyperbolic surfaces"</i>   Advisor: Monique TEILLAUD                        |
| DEC 2015 | M.Sc. in COMPUTATIONAL & APPLIED MATHEMATICS, <b>University of Crete</b> , Greece<br>Major: Scientific Computing<br>Thesis: <i>"Shape-preserving Interpolation on the Sphere"</i>   Advisor: Menelaos KARAVELAS |
| MAR 2013 | B.Sc. in APPLIED MATHEMATICS, <b>University of Crete</b> , Greece<br>Major: Mathematical Methods and Software Development<br>Thesis: <i>"The Euclidean InCircle Predicate"</i>   Advisor: Menelaos KARAVELAS    |

## TEACHING EXPERIENCE

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|--------|----------------------------|---|
| FRENCH | Algorithms and Programming | Databases                                       |
| GREEK  | Numerical Solution of ODEs | Design and Analysis of Algorithms   Programming |
|        | Discrete Mathematics       | Introduction to Computers                       |

## TECHNICAL SKILLS

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PROGRAMMING	C++	Python	Java	VB. NET
FRAMEWORKS	CGAL	VMTK	Boost	Android SDK
WEB	HTML	CSS	PHP	JavaScript
DATABASES	MySQL	SQLite	Oracle DB	MS Access
TOOLS	MATLAB	Maple	ParaView	InstantDeveloper
VCS	SVN	Git	GitHub	Bitbucket
OTHER	LaTeX	IPE	MS Office	LibreOffice

## PERSONAL SKILLS

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ADAPTABILITY	I have lived in four countries so far, mingling with people from diverse professional and academic backgrounds. I have learned how to adjust according to the situation and my interlocutor in order to facilitate and optimize communication and collaboration. Along with linguistic prowess, I possess the ability to convey ideas in an adequately simplified or technical manner, depending on the case. Acquiring new skills, integrating them with old skills, and applying them into current work flows has been an essential ability.
TEAMWORK	I have had the opportunity to work on demanding tasks in different areas both alone and in team with people from different backgrounds. I have learned to accept and delegate responsibilities, and I make a point of communicating with my team members. I am not afraid to admit fault and to ask for help, and I am always eager to help as best as I can.
ORGANIZATION	Scheduling tasks and organizing my time has been crucial during my professional endeavors, and even more so during my Ph.D. Often faced with multiple concurrent projects and deadlines, identifying and prioritizing critical tasks has turned into an instinctive practice.
LEARNING	Knowledge acquisition, problem analysis and solution implementation have been essential to everything I have done so far. Both in professional and academic context, be it a new framework or tool, an unfamiliar concept or an alien notion, I have often had to learn fast and produce results in a short amount of time.

## LANGUAGES

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BILINGUAL	Bulgarian	Greek
FLUENT	English	Italian
INTERMEDIATE	French	

## HOBBIES

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ORIGAMI	I have discovered fairly recently the Japanese art of folding paper into beautiful shapes. I am particularly fascinated by modular origami, and I am starting to develop an interest in kirigami.
WRITING	I have maintained several personal blogs in Greek and in English in which I wrote about various topics. I am currently maintaining a similar blog on WordPress. Writing helps me put my thoughts in order, and is an active outlet of opinions and reflections.