

Iordan IORDANOV

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PERSONAL DETAILS

BORN: 20 September 1986 in Stara Zagora, Bulgaria
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PERSONAL STATEMENT

Ph.D. candidate and software engineer with vast experience both in industry and academia, I am currently contributing to one of the largest open-source libraries for computational geometry ([CGAL](#)). I am highly flexible and adaptable to new technologies and environments, and I am able to efficiently communicate and collaborate with people from diverse backgrounds. My career goal is to put all my skills to good use, ideally in scientific research motivated by challenging problems with medical and/or industrial applications.

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>
Developed a method for determining the morphological changes of abdominal aortic aneurysms between a reference and a follow-up 3D model obtained from MRI and CT scans. |
| JUN 2014 | Software developer at 01s, Sansepolcro, Italy |
| MAY 2013 | <i>Cadastral Data Management System; Tax Declaration Calculations Engine</i>
Implemented anew the calculations engine for the 730 Italian tax declaration; developed a system for managing cadastral data extracted from PDF documents. |
| PRESENT | Android Apps Developer as AMATEUR OCCUPATION |
| AUG 2010 | <i>Developing Various Applications for Android Devices</i>
Registered Android Developer on the Google Play Store, with two published apps. |
| JUN 2012 | Software developer at NANOSOFT, Chania, Greece |
| DEC 2009 | <i>Hand-held Devices Order Placing System</i>
Worked on the client side of an orders placing system. |
| 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, Université de Lorraine , France
Major: Computational Geometry
Thesis: <i>"Triangulations of hyperbolic surfaces"</i> Advisor: Monique TEILLAUD |
| DEC 2015 | M.Sc. in COMPUTATIONAL & APPLIED MATHEMATICS, University of Crete , Greece
Major: Scientific Computing
Thesis: <i>"Shape-preserving Interpolation on the Sphere"</i> Advisor: Menelaos KARAVELAS |
| MAR 2013 | B.Sc. in APPLIED MATHEMATICS, University of Crete , Greece
Major: Mathematical Methods and Software Development
Thesis: <i>"The Euclidean InCircle Predicate"</i> Advisor: Menelaos KARAVELAS |

TEACHING EXPERIENCE

FRENCH	A total of 128 hours over 18 months on Algorithms, Programming and Databases.
GREEK	A multitude of undergraduate courses in Applied Mathematics and Computer Science.

LANGUAGES

Bilingual in Greek and Bulgarian, **Fluent** in English and Italian, and **Comfortable** in French.

TECHNICAL SKILLS

PROGRAMMING	With solid algorithmic foundations and large practical experience in several programming languages, I am able to produce high-quality, maintainable and reliable code in C/C++, Java, Python, VB.NET and JavaScript. I am also extremely adept at learning rapidly new languages and technologies. Presently, I am a CGAL developer.
DATABASES	In my academic and professional career, I have taught and worked with databases on several levels, from the very design to CRUD operations. I am familiar with MySQL, SQLite, MS Access, Oracle DB, and I have also briefly explored MongoDB.
TOOLS	Version control systems (Git and SVN) have been essential in all my occupations. I have extensive experience with MATLAB and MAPLE, and substantial experience with Instant-Developer . I am also acquainted with ParaView, and several frameworks (Boost, VMTK, VTK, Android SDK).
WEB	I am familiar with developing static and dynamic websites using HTML, CSS, PHP, JSP, and jQuery. I have recently started exploring Jenkins.

PERSONAL SKILLS

ADAPTABILITY	I have lived in four countries so far, mingling with people from diverse professional and academic backgrounds. Along with linguistic prowess, I possess the ability to convey ideas and results in an adequately simplified or technical manner, adapting to my interlocutor.
TEAMWORK	I have had the opportunity to work on demanding tasks in different areas both alone and in multidisciplinary teams. Communication is a top priority for me, while I accept and delegate tasks with the objective of achieving the best possible result under the best possible conditions.
ORGANIZATION	Task scheduling and time organization have been crucial during my professional endeavors, and even more so during my Ph.D. Often faced with multiple concurrent projects and deadlines, I am proficient at identifying and prioritizing critical tasks.
LEARNING	Problem analysis, knowledge acquisition, and solution implementation have been essential to everything I have done so far. I am highly agile in learning fast and producing results in short time both in professional and academic context.

HOBBIES

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.