

Iordan IORDANOV

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PERSONAL DETAILS

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

Software engineer with Ph.D. in Computational geometry, I have accumulated vast experience both in industry and academia. My Ph.D. work is integrated into one of the largest open-source libraries for computational geometry ([CGAL](#)). Currently managing several AI projects in a multinational team reporting to several high-status clients, I am highly flexible and adaptable to new technologies and environments. Efficient communication and teamwork with people from diverse backgrounds is an essential skill at which I excel. My career goal is to put all my knowledge and experience to good use, ideally in scientific research motivated by challenging problems.

WORK EXPERIENCE

JUL 2019 PRESENT	Chief Scientist at CORPY&CO., LTD, Tokyo, Japan <i>Project Management and Supervision</i> Managing several AI projects in Mobility, Healthcare, and Explainable AI. Working with clients such as Toyota, Macnica, and The University of Tokyo Hospital.
SEP 2015 JAN 2015	Graduate research assistant at IACM-FORTH, Heraklion, Greece <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 MAY 2013	Software developer at 01s, Sansepolcro, Italy <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 AUG 2010	Android Apps Developer as AMATEUR OCCUPATION <i>Developing Various Applications for Android Devices</i> Registered Android Developer on the Google Play Store, with two published apps.
JUN 2012 DEC 2009	Software developer at NANOSOFT, Chania, Greece <i>Hand-held Devices Order Placing System</i> Worked on the client side of an orders placing system.
OCT 2009 JUL 2007	Warehouse manager at ERBAMEA SRL., Lama di San Giustino, Italy <i>Quality Control, Goods Reception, Confectioning and Shipment</i>

EDUCATION

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: *"The Euclidean InCircle Predicate"* | 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++, Python, Java, 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 discovering React.js.

PERSONAL SKILLS

ADAPTABILITY	I have lived in five 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 prioritizing 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 developing an interest in kirigami.
WRITING	I have maintained several personal blogs in Greek and in English, currently maintaining a similar blog on WordPress. Writing helps me put my thoughts in order, and is an active outlet of opinions and reflections.