Iordan IORDANOV

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PERSONAL DETAILS

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

PERSONAL STATEMENT

Ph.D. candidate and software developer with vast experience both in industry and academia, I am currently contributing to one of the largest open-source libraries for computational geometry (CGAL). Strong points of my character include high flexibility and adaptability to new technologies and environments, efficient communication dictated by situation and interlocutor, resolute sense of self-motivation, and outstanding team spirit sustained by excellent communication skills. My career goal is to put all my skills to good use, ideally as a Research and Development or Consulting specialist, with the prospective to give practical solutions to challenging problems.

WORK EXPERIENCE

SEP 2015 — JAN 2015   Graduate research assistant at IACM-FORTH, Heraklion, Greece
Abdominal Aortic Aneurysm Growth Quantification
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
Cadastral Data Management System; Tax Declaration Calculations Engine
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
Developing Various Applications for Android Devices
Registered Android Developer on the Google Play Store, with two published apps.

JUN 2012 — DEC 2009   Software developer at NANOSOFT, Chania, Greece
Hand-held Devices Order Placing System
Worked on the client side of an orders placing system.

OCT 2009 — JUL 2007   Warehouse manager at ERBAMEA SRL., Lama di San Giustino, Italy
Quality Control, Goods Reception, Confectioning, and Shipment

EDUCATION

MAR 2019   Ph.D. in COMPUTER SCIENCE, **Université de Lorraine**, France
Major: Computational Geometry
Thesis: *"Triangulations of hyperbolic surfaces"* | Advisor: Monique TEILLAUD

DEC 2015   M.Sc. in COMPUTATIONAL & APPLIED MATHEMATICS, **University of Crete**, Greece
Major: Scientific Computing
Thesis: *"Shape-preserving Interpolation on the Sphere"* | 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, **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 contributing to the open-source library CGAL. I am the lead developer (code and documentation) of a new package for 2D periodic hyperbolic triangulations, and I have also contributed to another package for 2D hyperbolic triangulations (user manual and parts of the code).
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). I am currently discovering Docker and Travis.
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.