

Curriculum Vitae



Nader Salman

Res. Palais de la Méditerranée
Bat. Le Baccara
29-31 rue de France
06000 Nice, France

Tel: (+33) 6 24 48 53 13
Email: Nader@salman-circle.com
26 Years, Single, French Citizenship
Driving License

TECHNICAL EXPERIENCE

Operating systems: Microsoft Windows (95 to Seven), UNIX (Linux, MacOS X)
Languages: C/C++, Java
Compilers: Visual C++, gcc, javac
IDE: Visual Studio 2003-2010, KDevelop, Xcode, oXygen
Frameworks HMI: MFC
Libraries: STL, CGAL, OpenGL
Web: HTML, CSS, XML, XSLT
Matchmoving Soft: Scenespector VooCAT, Realviz MatchMover, 2D3 Boujou
General Tools: CVS, Subversion, CMake
Documentation: Word, LateX, Excel, Power Point, Gimp

EDUCATION

Ph.D. in Computer Science, University of Nice Sophia-Antipolis (2007-2010)
Awarded with Highest Honors at INRIA Sophia Antipolis.
Title: "From 3D point clouds to feature preserving meshes"

C2i level 1, University of Nice Sophia-Antipolis (2009)
C2i, French National Certificate of Informatics and Internet

M.Sc. in Computer Science, University of Nice Sophia-Antipolis and ENST (2007)
Awarded with High Honors.
M.Sc. topic: Image and Geometry for Multimedia and Modeling in life Science
Thesis title: "Synthesis of compact textures for real-time terrain rendering"

B.S. in Computer Science, University of Nice Sophia-Antipolis (2002-2005)
Thesis title: "Formalization of the neuro-biological models for spike neurons"

High School Diploma Specializing in Science (Mathematics) (2002)
French baccalaureate, série S.

WORK EXPERIENCE

- Software Engineer, Petrel Structural Modeling, Schlumberger, France** (04/2011 – present)
- Doctoral Visit in Prof. Leonidas Guibas Lab, Stanford University, CA, USA** (05/2010 – 06/2010)
- Doctoral Research, Geometrica Lab, INRIA Sophia Antipolis, France** (2007-2010)
Subject: “From 3D point clouds to feature preserving meshes”
Technologies: C++, OpenGL - CGAL, STL, Boost – Visual Studio
Advisor: Dr. Mariette Yvinec (Geometrica / INRIA Sophia-Antipolis)
- Master’s Research, Reves Lab, INRIA Sophia Antipolis, France** (03/2007 – 09/2007)
Subject: “Synthesis of Compact Textures for real-time Terrain Rendering”
Technologies: C++, OpenGL - Visual Studio
Advisor: Dr. Sylvain Lefebvre (INRIA / INRIA Nancy)
- Engineering Internship, Odyssee Lab, INRIA Sophia Antipolis, France** (06/2006 – 09/2006)
Function: Creator and main editor of the Kraken engine, an automatic activity report generator using a web XML structure devoted to scientific web site’s creation.
Technologies: XML, XSLT, LaTeX – HTML, CSS, JavaScript - oXygen
Advisor: Prof. Thierry Viéville (Odyssee / INRIA Sophia Antipolis)
- Bachelor’s Research, Odyssee Lab, INRIA Sophia Antipolis, France** (03/2006 – 06/2006)
Subject: “Formalization of the neuro-biological models for spike neurons”
Technologies: Java, XML, NeuroML, XSLT – UML – oXygen
Advisor: Prof. Thierry Viéville (Odyssee / INRIA Sophia Antipolis)
-

TEACHING EXPERIENCE

- EFREI Engineering School, Paris, France** (2009)
Teaching assistant in Mathematics and Algorithms for Geometry (C++), Master’s students
- University of Nice Sophia Antipolis, France** (2007 and 2008)
Teaching assistant for the preparation of the C2i level 1 (French National Certificate of Informatics and Internet) (Office Automation Software, Computer security, Internet, Netiquette...), Undergraduate students.
-

PUBLICATIONS

Journals, Conferences and Workshops

- [1] [Nader Salman](#), Mariette Yvinec and Quentin Mérigot. (2010)
Feature preserving mesh generation from 3D point clouds.
In Proceedings of the Eurographics Symposium on Geometry Processing.
- [2] [Nader Salman](#) and Mariette Yvinec. *Surface reconstruction from multi-view stereo of large-scale outdoor scenes.* //
In The International Journal of Virtual Reality.
- [3] [Nader Salman](#) and Mariette Yvinec. *Surface reconstruction from multi-view stereo.* The International ACCV Workshop on Representation and Modeling of Large-scale 3D Environments. (2009)
- [4] [Nader Salman](#) and Mariette Yvinec. *High resolution surface Reconstruction from overlapping multiple views.* The ACM

Book chapters

- [1] Pierre Alliez, Laurent Saboret and Nader Salman. *Point set processing*. In Board, C.E., ed.: CGAL User and Reference Manual. 3.5 edn. (2009)

Technical reports

- [1] Luca Ferro, Charf Eddine M'Sakni, Pierre Repetto, Nader Salman, Mah Tien Nguyen and Thierry Viéville. *Formalization of the neuro-biological models for spike Neurons*. RT-0324 INRIA. (2006)

LANGUAGES

<i>French</i>	native.
<i>English</i>	fluent.
<i>Arabic</i>	fluent.
<i>Spanish</i>	notions.

MEMBERSHIPS

Member of the Gyroviz project (No ANR-07-AM-013) by the ANR (French National Research Agency) (<http://www.gyroviz.org>). The research project "GYROVIZ" addresses the challenge of automatic modeling of 3D physical scenes from located frames.

Member CGAL developer (<http://www.cgal.org/people.html>).

ACM professional member.

PROFESSIONAL DEVELOPMENT

- Conference SGP in Lyon, France (2010)
- ACCV'09 conference in Xian, People's Republic of China (2009)
- Fifth International Summer School organized jointly by the PrimeLife EU project on *Privacy and Identity Management for Life* In Nice, France //
- SoCG'09 conference in Aarhus, Denmark //
- Journées de Géométrie Algorithmique 2009 in Rouge Gazon, France //
- French National Research agency in La Defense, France (2008)
- European Workshop on Computational Geometry in Nancy, France //
- Workshop "Build your own Start-up" in Sophia Antipolis, France //
- Workshop "Team management and leadership" in Nice, France //
- Workshop "Intellectual property - Building your own company" in Sophia Antipolis, France //

REFERENCES

Prof. Jean-Daniel Boissonnat

Research director and head of Geometrica lab
INRIA Sophia Antipolis
2004 route des Lucioles
BP 93, 06902 Sophia Antipolis, FRANCE
Phone: +33 (0)4 92 38 7760
Fax: +33 (0)4 92 38 7643
Email: Jean-Daniel.Boissonnat@inria.fr

Dr. Mariette Yvinec

Senior researcher in Geometrica lab
INRIA Sophia Antipolis
2004 route des Lucioles
BP 93, 06902 Sophia Antipolis, FRANCE
Phone : +33 (0)4 92 38 7749
Fax : +33 (0)4 92 38 7643
Email: Mariette.Yvinec@inria.fr

Prof. Pierre Alliez

Senior researcher in Geometrica lab
INRIA Sophia Antipolis
2004 route des Lucioles
BP 93, 06902 Sophia Antipolis, FRANCE
Phone : +33 (0)4 92 38 7677
Fax : +33 (0)4 97 15 5395
Email: Pierre.Alliez@inria.fr

Dr. Sylvain Lefebvre

Senior researcher in Alice lab
INRIA Nancy Grand-Est
Campus Scientifique
BP 239, 54506 Vandoeuvre-les-Nancy, FRANCE
Phone : +33 (0)3 83 59 20 72
Fax : +33 (0)3 83 27 83 19
Email : Sylvain.Lefebvre@inria.fr