

Nader SALMAN

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Objective

Seeking a full-time position in computer graphics research and software development. Interested in work involving creativity, inventiveness, and group interaction. My strengths include excellent communication, leadership, time management, and teamwork skills.

Technical Experience

Operating Systems :	Microsoft Windows (95 to Seven), Unix (Linux, MacOS X).
Langages :	C, C++, Java, Unix shell scripting, VHDL.
Compilers :	Visual C++, gcc, javac, VHDL Simili.
IDE :	Visual Studio 2003-2009, KDevelop, Xcode, oXygen.
Frameworks HMI :	MFC, Qt.
Libraries :	STL, Boost, OpenGL, CImg, CGAL.
DBMS & Web :	MySQL, HTML, CSS, XML, XSLT.
Matchmoving Soft :	Scenespector VooCAT, Realviz MatchMover, 2D3 Boujou.
General tools :	CVS, Subversion, make, CMake.
Documentation :	Word, L ^A T _E X, Excel, Power Point, Gimp.

Education

Present	PHD IN COMPUTER SCIENCE , December 2010 (Expected Graduation), INRIA Sophia Antipolis, France.
2009	C2I LEVEL 1 , THE FRENCH NATIONAL CERTIFICATE OF INFORMATICS AND INTERNET, Université de Nice Sophia Antipolis, France.
2007	MS IN COMPUTER SCIENCE WITH THESIS , Télécom Paris-Tech and Université de Nice Sophia Antipolis, France.
2002-2005	BS IN COMPUTER SCIENCE , Université de Nice Sophia Antipolis, France.
2002	HIGH SCHOOL DIPLOMA SPECIALIZING IN SCIENCE (MATHEMATICS), "BACCALAURÉAT SÉRIE S", The French School of Kuwait, Kuwait.

Work Experience

May - July 2010	DOCTORAL VISIT IN PROF. LEONIDAS GUIBA'S LAB, Stanford University , California, USA.
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- 2007 - Present** DOCTORAL RESEARCH WITH DR. MARIETTE YVINEC, INRIA Sophia Antipolis, France.
Subject : Surface Reconstruction from Multi-View Stereo.
▷ *C++*, *OpenGL*. ▷ *CGAL*, *STL*, *Boost*. ▷ *Visual Studio*.
- March - September 2007** MASTER'S RESEARCH WITH DR. SYLVAIN LEFEBVRE, INRIA Sophia Antipolis, France.
Subject : Synthesis of Compact Textures for real-time Terrain Rendering.
▷ *C++*, *OpenGL*. ▷ *Visual Studio*.
- June - September 2006** ENGINEERING WITH PROF. THIERRY VIEVILLE, INRIA Sophia Antipolis, France.
Creator and main editor of an automatic activity report generator using a web XML structure devoted to scientific web site's creation.
▷ *XML*, *XSLT*, *LaTeX*. ▷ *HTML*, *CSS*, *JavaScript*. ▷ *oXygen*.
- March - June 2006** BACHELOR'S RESEARCH WITH PROF. THIERRY VIEVILLE, INRIA Sophia Antipolis, France.
Subject : Formalization of the neuro-biological models for spike neurons.
▷ *java*, *XML*, *NeuroML*, *XSLT*. ▷ *UML*. ▷ *oXygen*.

Publications/Presentations/Demos

- Nader Salman, Mariette Yvinec, Quentin Merigot. *Feature Preserving Mesh Generation from 3D Point Clouds*. Computer Graphics Forum (Proceedings SGP'10), 2010.
- Nader Salman, Mariette Yvinec. *Surface Reconstruction from Multi-View Stereo of Large-Scale Outdoor Scenes*. The International Journal of Virtual Reality, 2010, <http://www.ijvr.org/issues/issue1-2010/4.pdf>.
- Nader Salman, Mariette Yvinec. *Surface Reconstruction from Multi-View Stereo of Large-Scale Outdoor Scenes*. The 2009 ACCV Workshop on Representation and Modeling of Large-scale 3D Enviroments, <http://hal.archives-ouvertes.fr/inria-00422344/fr>.
- Nader Salman, Mariette Yvinec. *High Resolution Surface Reconstruction from Overlapping Multiple Views*. The ACM Symposium on Computational Geometry 2009 Video/Multimedia, <http://www.computational-geometry.org/SoCG-videos/socg09video>.
- Pierre Alliez, Laurent Saboret, Nader Salman. *Point Set Processing*. In CGAL User and Reference Manual, CGAL Editorial Board, 2009, http://www.cgal.org/Manual/3.5/doc_html/cgal_manual/packages.html#Pkg:PointSetProcessing.
- Luca Ferro, Charf Eddine M'Sakni, Pierre Repetto, Nader Salman, Mah Tien Nguyen, Thierry Vieville. *Formalization of the neuro-biological models for spike Neurons*. INRIA Tech. Report-0324, juin 2006.
- Nader Salman. *Demo - CGAL Point Set Processing*. Presented at ACCV'09, Xi'an (CHINA), sept. 2009.

Teaching Experience

- 2009** EFREI ENGINEERING SCHOOL, PARIS, France.
Teaching assistant in Mathematics and Algorithms for Geometry (C++), Master's students.
- 2007 and 2008** UNIVERSITÉ DE NICE SOPHIA ANTIPOLIS, France.
Teaching assistant for the preparation of the French National Certificate of Informatics and Internet C2i level1, Undergraduate students.

Languages

- French : Native.
English : Fluent.
Arabic : Fluent.
Spanish : Moderate.

Memberships

- Member of the Gyroviz project (No ANR-07-AM-013) de l'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.
- Student Member of ACM SIGACT, ACM SIGGRAPH.
- Member CGAL developper (<http://www.cgal.org/people.html>).

Professional Development

- 2010.**
- Conference SGP, Lyon, France.
 - Workshop «Journées de Géométrie Algorithmique » (Computaional Geometry Days), Marseille-Luminy, France.
- 2009.**
- Conference ACCV, Xi'an, China.
 - 5th Summer School IFIP/PrimeLife «Privacy and Identity Management for Life», Nice, France.
 - Conference SOCG, Aarhus, Danemark.
 - Workshop «Journées de Géométrie Algorithmique» (Computaional Geometry Days), Rouge Gazon, France.
- 2008.**
- Meeting at the French National Research Agency, La Defense, France.
 - Workshop EuroCG, Nancy, France.
 - Workshop «Build your own Start-up», Sophia Antipolis, France.
 - Workshop «Team management and leadership», Nice, France.
 - Workshop «Intellectual property - Building your own company», Sophia Antipolis, France.

References

Prof. Jean-Daniel Boissonnat

Research director and head of Geometrica group
INRIA Sophia Antipolis
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Phone : +33 (0)4 92 38 7760
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Dr. Mariette Yvinec

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2004 route des Lucioles
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Dr. Sylvain Lefebvre

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