

George Nistorica - Curriculum Vitae

Name: George Nistorica

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Year of Birth: 1980

Civil Status: single

Military Service: completed(transmissions)

Personal Goal

Interesting and rewarding work, that deals with complex IT systems, especially real-time systems and/or automated systems. I'm interested mostly in software algorithms and software automation of usually manual tasks.

Education

1999 - 2004 Control Engineering and Computers at Petroleum and Gas University of Ploiesti, Romania (5 years full time).
My University Degree Paper deals with Automated Control of Network Traffic, implemented using GNU/Linux OS and Perl programming language.
Details can be obtained from the following address: Cerber Proj.
<http://sourceforge.net/projects/tkcerber>.
Details can be obtained from the following address: Cerber Project
The software is written using Object Oriented Techniques, aided by UML design and sits on top of the networking abilities of the OS.

1995 - 1999 Informatics at Constantin Brancoveanu Military Highschool, Ploiesti, Romania (4 years full time)
The final attestation deals with Equation Systems, using Gauss and Newton algorithms.

Work experience

2002 - 2004 Information Technology and Communications Department of Petroleum and Gas University of Ploiesti, Romania
Concurrent with studies at the University and after I graduated. Involved in the University's network design, development and maintainance. Installing and maintaining network servers such as DNS, WWW, mail firewall, designing DMZ and different security models for the network and individual Linux hosts. Writting perl and bash scripts for automating different jobs on servers or to collect and centralize data for review by me or other System Administrators.

2004 - August 2005 Beta Testing/Technical Support Division of AVIRA Soft GmbH
Beta - Tester / Support Engineer at AVIRA Soft GmbH, an emerging AntiVirus Company.
My duties are to plan and run manual and automated tests for Unix products along with providing support for the customers and AVIRA's employees.

September 2005 - Present Quality Assurance Division of AVIRA Soft GmbH
Quality Assurance Engineer and Coordinator for AVIRA Soft GmbH.
Lead a team of seven QA people, planning and supervising the Quality Assurance Process for the AVIRA's security products, both on Microsoft Windows platforms and on Unices (GNU/Linux, FreeBSD, OpenBSD).

April 2006 - Present Quality Assurance Division of Avira Soft SRL

Manager of the QA Department.
Lead a team of seven QA people, planning and supervising the Quality Assurance Process for the Avira's security products, both on Microsoft Windows platforms and on Unices (GNU/Linux, FreeBSD, OpenBSD, Solaris).

Activity in the Open Source/Free Software World

- September 2005 Release and maintain an SMTP library for POE, a multitasking framework for Perl (simulating Finite state machines).
It can be found on Comprehensive Perl Archive Network
- August 2005 O'Reilly Network has published an article of mine discussing automated testing of GUIs on Windows platforms using Perl.
The article can be found here: Automated GUI Testing
- February 2006 O'Reilly Network has published an article of mine discussing automated testing of GUIs on Unices running X11 servers, using Perl.
The article can be found here: Test-Driving X11 GUIs

Other projects (not public)

- Telex Software Wrote a project handling user messages and sending them over telex wires, using Perl and running on embedded GNU/Linux.
- Test automation of proprietary software Designed and wrote a test infrastructure for automatically fetching software builds, smoke test them and send reports of the test process, similar to the way CPAN Perl modules are automatically tested.
- Performance testing Reporting and comparison between different versions of proprietary software running on GNU/Linux.
- Webmin module Designed and wrote an Webmin module to provide a simple and intuitive GUI for some proprietary software.
- System interfaces Wrote several Perl curses scripts acting as graphical user interfaces for GNU/Linux traffic control tools like iptables, tc, racoon. For both configuring and real-time reporting of the status for the above mentioned tools.

Miscellaneous

- 2000 Moderator on the Romanian Linux Forum at Linux RO
- 2004 Organized and gave six hours a week seminar on the use of Linux OS and GNU/C programming at the Computers Faculty of the Petroleum and Gas University of Ploiesti.

Computer skills

- OS Expert user and skilled administrator of different flavors of GNU/Linux (glibc2.2 and glibc2.0) including Enterprise servers like RHEL or (Open/Novell) SuSE, BrainBench Certified with a score of 3.46;
moderate skilled user of OpenBSD and FreeBSD;
advanced user of Windows and moderately skilled administrator.
- Programming Languages Experienced with Perl, BrainBench Certified with a score of 4.21 and moderated experience with C and scripting shells. For other programming related skills, please check BrainBench transcript ID: 5224139.

Miscellaneous/Other tools used

- * Perl programming interests: so far my focus has been on automating command line and GUI programs, parsers, implementing various programming algorithms, solving math problems, as well as writing client/server software using TCP sockets both using fork()/select() style and using POE framework which emulates a Finite State Machine.
- * Experienced with revision control tools like CVS and Subversion
- * Experienced administrator of different *NIX daemons/tools: Apache/Apache2, Postfix/Sendmail, DHCP, Squid Proxy, MySQL/PostgreSQL, Iptables, Advanced Routing and Traffic Control
- * Working knowledge of several programming tools: Umbrello (UML), ActiveState Komodo, VIM, Kate etc.

Language skills

Romanian

Native language

English

Fluent

French

Working knowledge

Personal interests

Watching Television documentaries and breeding dogs. I own a champion Collie Rough.
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