

Curriculum Vitae

WILLIAM EMMANUEL S. YU <wyu@ateneo.edu>

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Job Objectives: IT Consultancy; Software Development; Information Security; Network Engineering

Summary: More than seven (7) years of professional IT experience in information systems and software, network and security engineering on various platforms and systems. Involved in the design, development and deployment of numerous information technology solutions involving systems integration, information security, portable (mobile or embedded) applications, network services, security services, thin-client, Voice-over-IP, call center and BPO solutions, software test and quality assurance platforms and many others. Experienced in managing, implementing and developing solutions for a wide variety of platforms such as Linux, MS Windows and Unix. Extensive networking design and implementation experience with a wide variety of industry standards from bodies such as IETF, 3GPP and ITU-T in various platforms. Primary software development technologies are C/C++ for systems and embedded development, J2EE for enterprise application development, Perl, PHP and J2ME/J2EE for Web-based/Mobile application development. Performs research work on various fields such as distributed network systems, information security, Internet engineering technologies, mobile services and applications, sensory control and data acquisition systems and network management.

Skills and Knowledge:

Architectures	OS	Languages	Databases	Web
x86	Linux	C/C++	PostgreSQL	Jboss
IBM PPC	uLinux	Java	MySQL	IBM WAS
SUN Sparc	MS Windows	Pascal	Oracle	ATG Dynamo
DEC Alpha	Unix	Perl		PHP
Zilog 80		Python	MS SQL	CGI
Motorola 68k		MS VB		
Intel Stron- gARM		PHP		

Education:

Master of Science, Major in Computer Science (2007)

Bachelor of Science, Major in Computer Engineering (2002) Dean's Lister

Bachelor of Science, Major in Physics (2001)

Ateneo College Scholarship Fund and Residence Halls Scholar

Ateneo de Manila University

Certified Information Systems Security Professional (CISSP #65863)

Microsoft Certified Professional (MCP #3007574 MSDN #PHL-035009-261)

Work Experience:

Novare Technologies - MDI Holdings Inc., Makati City, Philippines

- May 2006 - **Technical Manager, Novare Technologies**
 Responsible for the analysis, assessment and review of possible tools, solutions and technologies. The over-all directive is to perform in-depth studies and reviews of possible emerging technologies. Manages a team of specialists, developers and engineers that study, test and develop mobile and data telephony, enterprise mobility, and fixed mobile convergence systems. Responsible for the vetting, integrating and coordinating with possible technology partners.
 Manages a team of Solution Engineers designing, integrating and maintaining various systems and networks including backhaul and transmission facilities, telecommunications systems and servers, and third party supplied value-added applications and services. Also evaluates these systems in terms of scalability, capacity and security.
 Manages a team of developers doing outsourced software development work primarily focused on telecommunications systems in areas such as voice-over-IP (SIP), instant messaging (OMA IMPS and SIP), device management (OMA DM) and billing/collection (IETF RADIUS and DIAMETER).
- Nov 2005 - **Research and Development, Novare Technologies**
 Responsible for monitoring, analyzing and validating new technology trends for the MDI Group. Particular emphasis is placed on Web and Mobile Content Delivery, Next Generation Messaging, Next Generation Networks (Fixed, Mobile, Data) and Voice-over-IP.
- Nov 2005 - **Head for Technology Operations, Blogstar LLC**
 May 2006
 Responsible for ensuring the continuous operations of the Blogstar(tm) Web and Mobile Services. Manages teams responsible for the various systems, database, networks and telephony technologies used in the enterprise. The Blogstar(tm) mobile services are accessible on different mobile phone networks: Cingular, Sprint, T-Mobile, Telefonica, Vodafone, Virgin, Orange, Hutchison 3, Amena, O2 and many others. This services is hosted in three (3) major data centers in the Philippines and the US.
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SVI Technologies Inc., Pasig City, Philippines

- May 2004 - **Manager for Information Security and Planning**
 Sep 2005
 Responsible for the planning, development and implementation of corporate information security policies and procedures, as well as, IT infrastructure planning. Planning includes but is not limited to software and system integration, new technologies assessment, infrastructure-related deployments and information security audits. Some supported projects and clients include: Thomson-West (Westlaw), Northwest Airlines (NWA), Conway Transport Group, Shell Ship Management Limited (SSML), and the Philippine Department of Budget and Management. Developed models for information systems costing, resource management, deployment scheduling and others. Has access to over fifty (50) FTEs within the entire support organization.
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- May 2004 - **Manager for Support Services**

Sep 2005	Responsible for managing both the Corporate Helpdesk and Production Support groups with approximately fifteen (15) FTEs. The Helpdesk group primarily provides Level 1 technical support and serve as a single point of contact for all ICT issues and requests. The Production Support group is tasked with data transport, report generation and other fill-in-the-gaps information technology tasks. These groups service the entire SVI Group of Companies and some of its external customers. Together these groups manage approximately 600 tickets, 90 data locations and over 1,000 reports per month. Major achievements include improvement of turnover processes, documentation and standardization of procedures and tasks, initiated chargeback on various special services offered, and improved issue reporting and tracking system.
Dec 2004 - Sep 2005	DBM Network Project Manager Managed a major project that delivered a turn-key Nationwide Integrated Voice and Data for the Department of Budget and Management. This project involves an interconnected campus network, data center facility, fourteen (14) regional sites, 700 workstations and 300 voice ports. Participated in all phases of this project from conceptualization, initial scoping, design, negotiation, development, implementation and maintenance. Managed this network, as Overall Network Manager, and used existing SVIT resources to build and support it.
Oct 2004 - Dec 2004	Planned and Initiated the SVI Technologies' OPDEV Program The Operations Development (OPDEV) Program was designed and initiated to provide engineers with a way to cross-pollinate skill sets. This is a weekly 30-minute sessions held every Tuesday at the 12F Boardroom that provides sessions on a number of short topics that are primarily technical in nature. However, occasionally this OPDEV program does have non-technical and soft skills sessions.
May 2002 - May 2004	Information Security and Planning Specialist Participated in the planning, development and implementation of corporate information security policies and procedures, as well as, IT infrastructure planning. Planning includes but is not limited to client requirements, new technologies assessment, infrastructure-related deployments and information security audits. Initiated moves to obtain BS 7799 certification for the company.
Feb 2004 - Mar 2004	Onsite Team Lead for SSML HR Filing System Project Responsible for the managing the deployment of a online human resources filing system for Shell Ship Management Limited (SSML) and overseeing the scanning and indexing of over 30,000 human resource paper documents. This was a month assignment in SSML's corporate headquarters in the Isle of Mann.

May 2002 - Dec 2003	<p>Planning and Development Thin-client Solutions</p> <p>Central in the planning and development of a thin-client solutions to maximize the use of low-powered workstations as agent calling stations for the SVI Connect Call Center. The system was developed to fit on a single floppy and can be customized for network bootrom or Intel PXE operation. The Linux-based agent thin-clients enables SVI Connect to utilize its low-powered hardware and eliminate the need for purchasing operating system and support software licenses for the call center operations. The system was developed to interface with the EIS/SER Call Management System. The system was then extended to provide full desktop capabilities similar to a Citrix ICA or Microsoft Terminal Server on the Linux Operating System. This system is central to SVI's Disaster Recovery Plans.</p>
May 2002 - Oct 2003	<p>STORMS System Development Project Manager</p> <p>STORMS is a Scalable, Customizable and Secure Metering, Profiling and Billing Solution. The system was developed in-house using CISCO Netflow and J2EE technology. The system has two (2) major components. The first component is the metering system that collects traffic statistics for the entire SVI Enterprise Network. The second component is a profiling and billing subsystem with a web-based interface that provides easy access to post-processed metered data. The system can also be extended to meter other services with its customizable ETL (extraction, transformation, and loading) tool. Currently, the system supports IP network flow data, Avaya CDR, MS Windows RAS and VPN log files and HylaFax log files. This system serves as the key to SVI Technologies' communications resource chargeback.</p>
<p>Ateneo de Manila University, Quezon City, Philippines</p>	
June 2001 -	<p>Mathematics Department Faculty</p> <p>Teaches parallel programming and cluster computing for junior applied mathematics students with emphasis on distributed systems development using the Beowulf architecture. Performed a number of research activities particularly in the field of high performance computing and IP engineering. A member of the Ateneo High Performance Computing Group that built the AGILA high performance computing system. Developed a cellular automata tool for modeling excitable media.</p>
Nov 2002 -	<p>Department of Information Systems and Computer Science Faculty</p> <p>Teaches Unix systems programming for junior and senior students with special emphasis on system, network and security concepts. Also teaches a number of networking and systems related courses such as introduction to networking, computer architecture, information security and networking concepts. Performs a number of research-related activities particularly in the field of high performance computing, mobile computing and IP engineering.</p>

May 2002 -	Network Consultant for the Ateneo Campus Network Group Responsible for the planning, development and maintenance of various networks and systems currently being utilized in the Ateneo network. Some major systems developed include a CARP-based array network proxy system, BGP multi-homing for the Ateneo network, IP usage tracking system and a network outage detection system. In 2004, planned and roll-out a campus wide wireless network using WiFi technology. The goal would be completely cover the campus within 2005. A major fiber optic cable roll-out was initiated in 2004 to replace the current multi-mode fiber-optic cable with single-mode fiber-optic cable to support campus-wide Gigabit Ethernet.
Jun 2003 -	Network Consultant for Ateneo Java Wireless Competency Center
Jun 2004	Responsible for the planning, design and implementation of a wireless messaging platform for the Ateneo Java Wireless Competency Center (AJWCC). The center is a joint venture between Ateneo, SUN Microsystems and SMART Telecommunications (large mobile phone provider in the country) which aims to provide enhanced value-added wireless messaging applications. The messaging platform currently supports SMS and MMS messaging technologies.
Apr 2001 -	Junior Systems Administrator for the Ateneo Campus Network Group
May 2002	Responsible for maintaining the core and edge-of-network infrastructure of the Ateneo de Manila University. Major achievements during this term included deployment of a distributed HTTP proxy system and the deployment of multiple Linux-based systems such as mailing lists, gateways and mail relays.
Jun 1998 -	System/Network Administrator for the Ateneo Cervini-Eliazo Network
Apr 2001	Responsible for the planning, development and maintenance of residence halls IP network and systems currently being utilized. Was the chief network architect in the actual implementation of the said network. Some major systems developed include a network access provisioning system, news and announcement portal and a training program for junior administrators.
	Distileria Limtuaco, Kalookan City, Philippines
Oct 2001	Network Consultant
Mar 2002	Served as a network and systems consultant responsible for the assessment, planning and implementation of various network services primarily their network connectivity and web access to key distributor systems.
	Inter.net, Makati City, Philippines
Mar 2001	Developer

May 2001 Participated as a contract developer in the development of a network metering solution, distributed electronic mail system and RADIUS-based authentication system.

Cybersoft Geoinformatics, Quezon City, Philippines

Jun 2000 **Systems Consultant**

Mar 2001 Provided demonstrations and plans on the potential use of parallel computing technology in the field of geographical information system particularly for providing network-enabled GIS applications.

Procurement Service, Manila City, Philippines

Oct 2000 **Network Consultant**

Apr 2001 Served as a network and systems consultant responsible for the assessment, planning and implementation of various network services primarily their network connectivity, email and HTTP proxy services infrastructure.

Philippine Veterans Affairs Office, Quezon City, Philippines

Jun 2000 **Network Consultant**

Mar 2001 Served as a network and systems consultant responsible for the assessment, planning and implementation of various network services primarily their network connectivity, email and HTTP proxy services infrastructure.

Procter and Gamble, Makati City, Philippines

Apr 2000 - **Developer**

Jul 2000 Served as a J2EE developer utilizing the ATG Dynamo J2EE and Oracle platforms to develop a web portal for Procter and Gamble distributors. The project was a collaborative effort involving a multi-national and multi-site development team (Warsaw, Poland and Manila).

Smartdrive Computer Center, Cebu City, Philippines

Mar 1997 - **Instructor**

May 1997 Taught a number of C and Pascal short courses for high school and incoming college students. Also taught a few short courses involving child training using computing technology.

Publications

W.S. Yu. 2006. "Don't Just Talk: Discussions on Securing VoIP". Philippine Open Source Conference 2006 (PhilOSC2006), Makati City, Sep 2004.

W.S. Yu. 2006. "Mobile is NOT Web". PC Magazine Philippines, Sep 2006.

W.S. Yu. 2006. "Ultra-Portable Internet II". PC Magazine Philippines, Aug 2006.

W.S. Yu. 2006. "Local Online Payment Processors". PC Magazine Philippines, Aug 2006.

W.S. Yu. 2006. "Ultra-Portable Internet". PC Magazine Philippines, June 2006.

W.S. Yu. 2006. "Voice-over-IP for Small and Medium Businesses". PC Magazine Philippines, May 2006.

- W.S. Yu. 2006. "I am a Fan of Fans!" PC Magazine Philippines, Apr 2006.
- W.S. Yu. 2006. "Judging A Computer By Its Cover". PC Magazine Philippines, Apr 2006.
- W.S. Yu. 2006. "History of Computer Printers". PC Magazine Philippines, Mar 2006.
- W.S. Yu. 2006. "History of Printers". PC Magazine, May 2006.
- W.S. Yu. 2006. "From Case to Case: A Look at Different Kinds of PC Casings". PC Magazine, Mar 2006.
- W.S. Yu. 2006 (as H.B. Bogbinder). "Fan Facts". PC Magazine, Mar 2006.
- M. Lagatao, G. Calaquian, N. Fernandez, D. Hernandez. 2006. "A Parallel Divide and Conquer Simulation for The Spread of Fire in a Slum Community Using Cellular Automata". Sixth Philippine Computing Science Congress. Quezon City. Mar 2006.
- R. Umagat, C. Nabiong, F. Fandino. 2006. "Agilus Chess: A Master-Slave Parallelized Chess Program Using MPI on the Agila HPCS". Sixth Philippine Computing Science Congress. Quezon City. Mar 2006.
- W.S. Yu. 2006. "From Disks to Flash: A History of Storage". PC Magazine Philippines, Feb 2006.
- W.S. Yu. 2006. "Evolution of Storage". PC Magazine Philippines, Feb 2006.
- W.S. Yu. 2006. "Professionalize your cybercafe with Cybercafe Management Software". PC Magazine Philippines, Jan 2006.
- W.S. Yu. 2005. "Penguin Power II: Commodity Parallel Computing". Linuxworld Philippines 2005, Makati City, Sep 2005.
- W.S. Yu. 2005. "Study on the Application of a Blended Approach to Online Learning in the Corporate Environment". 4th National E-Learning Conference, Manila City, Aug 2005.
- W.S. Yu. "Taking the Next Leap: AGP to PCI Express". PC Magazine Philippines, Jul 2005.
- W.S. Yu. (as H.B. Bogbinder). "Buy, Build or Upgrade". PC Magazine Philippines, Jul 2005.
- W.S. Yu. "Securing Your PC 4 Easy Steps". PC Magazine Philippines, May 2005.
- W.S. Yu. (as H.B. Bogbinder). "Rage Against the Tide". PC Magazine Philippines, May 2005.
- W.S. Yu. 2005. "The Great Music Lockdown". PC Magazine Philippines, Apr 2005.
- C. Lim and M. Gascon and W.S. Yu and P.U. Tagle. 2005. "Constructing a DNS-based Client Redirector for Generic Load Balancing". Fifth Philippine Computer Science Congress, Cebu City, Mar 2005.
- P. Venegas and M.P. Rodriguez and W.S. Yu and P.U. Tagle. 2005. "An Adaptable Follow-Me Locator Service using Automated Identification Devices". Fifth Philippine Computer Science Congress, Cebu City, Mar 2005.

- R. Santos and R. Tan and W.S. Yu and P.U. Tagle. 2005. "Topological Analysis of the Philippine Internet". Fifth Philippine Computer Science Congress, Cebu City, Mar 2005.
- J. Noel and W.S. Yu and P.U. Tagle. 2005. "ThesisFS: Web-based Filesystem with Metadata Indexing". Fifth Philippine Computer Science Congress, Cebu City, Mar 2005.
- W.S. Yu. 2004. "STORMS: Network Metering, Profiling and Billing Solution". Fortify 2004: Strengthening the Backbone of the Digital Enterprise, Makati City, Sep 2004.
- W.S. Yu. 2004. "Penguin Power: Linux and Commodity Parallel Computing". Philippine Open Source Conference 2004 (PhilOSC2004), Pasig City, Aug 2004.
- D. Cimafranca and W.S. Yu. 2004. "Desktop Guerilla Tactics". Linux Journal Magazine Online, Apr 2004.
- M.A. Paraz and W.S. Yu. 2002. "Measuring Performance of IP Networks Using Content Metrics". Philippine Journal of ICT and Microelectronics, Volume 2, Aug 2002.
- M.A. Paraz and W.S. Yu. 2002. "Philippine Internet Content Performance Metrics". Sixth International Symposium on Parallel Architectures, Algorithms, and Networks (ISPAN2002), Makati City, May 2002.
- R.P. Saldana, W.F. Tabares and W.S. Yu. 2002. "Parallel Implementations of Cellular Automata Algorithms on the AGILA High Performance Computing System". Sixth International Symposium on Parallel Architectures, Algorithms, and Networks (ISPAN2002), May 2002.
- M.A. Paraz and W.S. Yu. 2002. "Philippine IX Information". Asia Pacific Internet Association Newsletter No. 8, Jan. 2002.
- J.T. Villarin, F.A. Cruz, E.C. Castillo, K.U. Cheng Chua, W. Yu and G.T. Narisma. 2001. "High Resolution Numerical Simulation of Philippine Weather and Climate Using the AGILA Beowulf Cluster". 2001 Loyola Review, Ateneo de Manila University, Manila, Philippines, Dec. 2001.
- L. Bernardo, A. Carandang Jr., T.G. Castillo, A. Lee, W.F. Tupaz Jr., W.S. Yu and T.H. Calasanz. "A Distributed, Extensible and Accessible Sensory Control and Data Acquisition System". Second Philippine ECE Conference, University of Sto. Tomas, Philippines, Nov. 2001.
- R. Saldana, W. Yu. 2001. "Cellular Automata Explorations on a Beowulf Cluster". 2001. Cellular Automata 2001, Yokohama National University, Japan, Nov. 2001.
- F. Muga II, R. Saldana, W. Yu. 2001. "Building Graph-Based Symmetric Cluster". Proceedings of High Performance Computing (HPC) - Asia 2001, Bangkok, Thailand.
- F. Muga II, W. Yu. 2001. "A Graph-based Design For A Flat-Neighborhood Symmetric Cluster" Matimyas Matematika, Volume 24 Number 2, May 2001.
- R. Saldana, W. Yu. 2001. "Computational Aspects of Modeling Excitable Media Using Cellular Automata." Proceedings of the National Workshop and Conference on Modeling, Simulation and Scientific Computing (MODEL2001), Iligan City, Philippines, Feb. 2001.
- R. Saldana, J. Garcia, F. Muga II, W. Yu. 2000. "AGILA: the Ateneo High Performance Computing System". Proceedings of the First Philippine Computing Science Congress, Manila, Philippines, Nov. 2000.

F. Muga II, and W. Yu. 2000. "A Proposed Topology for a 192-Processor Symmetric Cluster with a Single-Switch Delay". Proceedings of the First Philippine Computing Science Congress, Manila, Philippines, Nov. 2000.

R. Saldana, J. Garcia, F. Muga II, W. Yu. 2000. "Development of a Beowulf-Class High Performance Computing System for Computational Science Applications." Proceedings of the 18th Samahang Pisika ng Pilipinas National Physics Congress, Palawan, Philippines, Oct. 2000.

Trainings, Seminars and Others:

Speaker, "Writing for the Fourth Screen"
iTech Conference 2007, AIM Conference Center, Makati City, Jan 2007.

Speaker, "Secure VoIP"
Philippine Open Source Conference 2006, Makati Shangri-La, Makati City, Sep 2006.

Book Reviewer, "The Handbook of Computer Networks"
Edited by Hossein Bidgoli and to be published by John Wiley and Sons

Speaker, "Open Source Digital Video Security"
Philippine Linux Users' Group Open Source Sessions, Ateneo de Manila, Quezon City, Jan 2006.

Speaker, "Professional Network Monitoring Made Easy with Nagios"
Philippine Linux Users' Group Open Source Sessions, Asia Pacific College, Makati City, Apr 2005.

Speaker, "Free and Open Source Software in the CS Curricula";
Software Freedom Day 2004, University of the Philippines, Quezon City, Aug 2004.

Speaker, "Introduction to Developing Parallel Computing Applications w/ MPI";
AMA Computer College Faculty. Project 8, Quezon City. Sept 2003.

Speaker, "Linux: Network Swiss Army Knife"
Bluepoint Road Tour 2003, Philippine Military Academy, Baguio City, April 2003

Speaker, "Introduction to Linux Networking";
Philippine Linux Users' Group Open Source Sessions, Asia Pacific College, Makati City, June 2002.

Speaker, "Cellular Automata and the AGILA HPCS";
Speaker, "Climate Studies and the AGILA HPCS";
Workshop on High Performance Computing. Ateneo High Performance Computing Group, Mar 2002.

Speaker, "Developing Open Source Web Service";
Speaker, "Software Development Perestroika";
Junior Philippine Computing Society, St. Paul's Collage, QC, Philippines, Dec 2001.

Speaker, "Beowulf Clusters for Weather and Climate Modeling";
Linux 10 Philippines: 10th Anniversary Celebration of Linux, Asia-Pacific College, Manila, Philippines, Aug 2001.

Speaker, "Supercomputing with Beowulf-class Clusters";

National Workshop and Conference on Modeling, Simulation and Scientific Computing (MODEL2001), MSU-Iligan Institute Technology, Iligan City, Philippines, Feb 2001.

Lecturer, "Parallel Programming w/ MPI";

Lecturer, "Using the AGILA HPCS";

Workshop on High Performance Computing. Ateneo High Performance Computing Group, Jan 2001.

Speaker, "Open Source Scalable Proxy Services";

Speaker, "Providing Scalable Application Services";

Speaker, "Linux Networking Fundamentals";

Information Technology Workshop. Southwestern University, Cebu, Dec 2000.

Lecturer, "Designing the AGILA High Performance Computing System";

Lecturer, "Introduction to Beowulf";

Workshop on High Performance Computing. Ateneo High Performance Computing Group, Dec 2000.

Speaker, "Linux Networking Fundamentals";

Speaker, "Open-Source Enterprise Class Web Services";

AMA Computer College Graduate School. Project 8, Quezon City. Sept 2000.

Speaker, "Introduction to Beowulf Class Clusters";

Speaker, "Introduction to Linux, Part I";

Speaker, "Introduction to Linux, Part II";

Seminar on High Performance Computing. Ateneo High Performance Computing Group, July 2000.

Speaker, "Scientific Computing Using Beowulf Class Clusters";

Speaker, "How to Advocate Open Source Software";

Speaker, "Forming a Linux Users Group";

Linux2K: Philippine Open Source Conference. Waterfront Hotel Lahug, Cebu. June 2000.

Participant, "P&G Summer Internship Program Business Management Workshop 2000";

Proctor and Gamble, Makati City. Mar 2000.

Panelist, "Open I.T: the First Ateneo Open Source Event";

OpenIT. Science Educational Complex, Ateneo de Manila University. Jan 2000.

Organizer/Speaker, "First Cebu GNU Linux Users Group Cookfest";

Sacred Heart School for Boys. Dec 1999.

Speaker, "Scientific Computing Using Beowulf Class Clusters";

Linux99: the first Philippine Open Source Conference, Shangri-la Makati. June 1999.

Awards and Citations:

Publication Award for the 2001 Loyola School Awards (2001)

Best Undergraduate Research for the 2001 Dean's Award for Science and Engineering, (2001)

Best Faculty Research for the 2001 Dean's Award for Science and Engineering (2001)

Won 6 Gold and 1 Silver Medals while a member of the Ateneo Fencing League (2000-1997)

Athletics Council Team of the Year (1999)

Athletics Council Team of the Year (1998)

Organizations and Affiliations:

Philippine Internet Commerce Society (2006-), Head, Infrastructure & Regulatory Cluster of Advocacies & Community Committee
 Philippine Association of Certified Information Systems Security Professionals (2005-)
 Philippine HoneyNet Project (2005-)
 Philippine Linux Users Group (1998-)
 Cebu GNU Linux Users Group (1999-)
 Institute of Electrical & Electronics Engineers (1998-)
 MENSA Philippines (1998-)
 Philippine Java Users Group (2000-2004)
 Internet Society (1999-2002)
 Samahang Pisika ng Pilipinas - Associate Member (2000-2003)
 Computing Society of the Philippines - Associate Member (2000-2003)
 Philippine Amateur Fencing Association-Cebu (2000-1998)

Interests:

I enjoy going on out-of-town trips with my wife (when we get the chance). I like reading computer trade magazines, RSS feeds from specialist technology sites and an occasional book. I try to contribute to my socio-civic organizations by contributing with learning sessions and seminars. I am currently reading an algorithmic book on IP on UTMS. I occasionally also enjoy a movie (no particular theme) weekly.

References:

Pierre U. Tagle, Ph.D., Managing Director
 Mobilliance Incorporated
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 Department of Information Systems and Computer Science
 63(2)4266001 <mrodrigo@ateneo.edu>

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 Xavier University - Ateneo de Cagayan
 63(8822)8583116 <jett@observatory.ph>