Joseph Anthony C. Hermocilla

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Education

M.S. Computer Science, University of the Philippines Los Baños, 2008
B.S. Computer Science, University of the Philippines Los Baños, 2002
High School, Ateneo de Naga University, 1996
Elementary, Naga Parochial School, 1992

Research

Research interests include multiagent systems, distributed systems , operating systems, artificial intelligence, data structures and algorithms , data communications and networking, parallel and distributed computing, and computer security.

Teaching

Assistant Professor, Computer Science Courses (Undergraduate), Institute of Computer Science, University of the Philippines Los Baños, 2008 - present

Instructor, Computer Science Courses (Undergraduate), Institute of Computer Science, University of the Philippines Los Baños, 2002 - 2008

Instructor, Linux Training (UPLB Employees), Institute of Computer Science, University of the Philippines Los Baños, 2005

Instructor, Open Source Software Development using LAMP (FNRI employees), Food and Nutrition Institute, Department of Science and Technology, 2006

Instructor, Linux Training (UPOU Employees), University of the Philippines Open University, 2004

Instructor, Linux Training (E-Konek employees), E-Konek, 2004

Tutor, Programming in C (UPOU students), University of the Philippines Open University, 2003

Courses Taught

Introduction to Personal Computing, Object-oriented Programming, Web Programming , Data Structures, Programming Languages, Operating Systems, File Processing and Database Systems , Introduction to Software Engineering, Machine Organization and Assembly Language Programming , Data Communications and Networking, Computer Architecture, Introduction to the Internet , Numerical and Symbolic Computation, Undergraduate Seminar on Systems

Publications

Hermocilla, J.A.C. 2009. ICS-OS: A Kernel Programming Approach to Teaching Operating System Concepts. Philippine Information Technology Journal 2(2):25-30.

Pabico, J.P., Hermocilla, J.A.C., Galang, J.P.C., and De Sagun, C.D. 2008. Perceived Social Loafing in Undergraduate Software Engineering Teams. Philippine Information Technology Journal 1(2):22-28

Hermocilla, J.A.C. and Pabico, J.P. 2010. Identifying Catchment Areas near Selected Mountains in the Philippines using FlowViz, In Proceedings (CDROM) of the 10th Philippine Computing Science

Congress (PCSC 2010), Ateneo De Davao University, Davao City, 5-6 March 2010 (Submitted 24 January 2010; Accepted 22 February 2010; Presented 06 March 2010).

Hermocilla, J.A.C and Albacea, E.A. 2009. A Multiagent System Framework for Solving the Student Sectioning Problem (Extended Abstract), In Proceedings of 2009 Europe-Philippines International Workshop on Modeling, Simulation, and Grid Computing (MODEL 2009), Holy Name University, Tagbilaran City, Bohol, 04-06 May 2009 (Submitted 5 April 2009; Accepted 13 April 2009; Presented 6 May 2009)

Invited Talks

Open Source Revolution, Laguna State Polytechnic Colleges, Los Baños and San Pablo Campus

Software Development

`University Health Service Information System`(2007-2009), A web application for automating the processes at the University Health Service of UPLB

`Business Permit Acquisition System`(2003-2005), A web application for processing business permits in the Municipality of Los Baños, sponsored by the local government

`GEMS-GCP Wrapper`(2007), A Java application which is part of the Generation Challenge Program, sponsored by IRRI

Technical Skills

Operating Systems: Linux, Windows 3.1/95/98/ME/XP, Solaris, DOS

Languages: C/C++, Java, PHP, HTML, XML, x86 Assembly Language, Javascript, PERL, Python, UML, Visual Basic, SQL, LISP, COBOL

IDE: Microsoft Visual Studio, Eclipse, NetBeans

Database: MySQL, PostgresSQL, Oracle

Productivity Tools: OpenOffice, Microsoft Office

System/Network Administration: TCP/IP, DNS, FTP, Web Server, LDAP, Mail Server

Others: JSP, CVS, SVN