

## Joseph Anthony C. Hermocilla<sup>1</sup>

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Philippines

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### Current Position

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

### Education

Ph.D. in Computer Science, University of the Philippines Los Baños, *ongoing*  
M.Sc. in Computer Science, University of the Philippines Los Baños, 2008  
B.Sc. in Computer Science, University of the Philippines Los Baños, 2002

### Research Interests

Computing systems including cloud computing, high-performance computing, operating systems, data communications and networking, parallel and distributed systems, computer and network security, and multiagent systems.

### Awards

*Fellowship Delegate*, 41st Asia Pacific Advanced Network Meeting, 2016  
*Scholar*, DOST ASTHRDP-NSC, 2013-2016  
*Visiting Professor*, Far East University, South Korea, 2011  
*UPLB Centennial Professorial Chair* (UPLB as the National Collaboratory for Computational Sciences: High Performance Computing for Collaboratory Research), 2010

### Selected Publications

Joseph Anthony C. Hermocilla and Eliezer A. Albacea. Osv-mpi: A prototype mpi implementation for the osv cloud operating system. In *Proceedings of the 14th National Conference on IT Education (NCITE2016)*, pages 203–208. Philippine Society of Information Technology Educators, October 2016.

Joseph Anthony C. Hermocilla. P2c: Towards scientific computing on private clouds. In *Proceedings of the 12th National Conference on IT Education (NCITE 2014)*, pages 163–168. Philippine Society of Information Technology Educators, October 2014.

Joseph Anthony C. Hermocilla and Jaderick P. Pabico. Identifying catchment areas near selected mountains in the philippines using flowviz. In *Proceedings of the 10th Philippine Computing Science Congress (PCSC 2010)*. Computing Society of the Philippines, March 2010.

Joseph Anthony C. Hermocilla and Eliezer A. Albacea. A multiagent system framework for solving the student sectioning problem (extended abstract). In *Proceedings of the 2009 Europe-Philippines International Workshop on Modeling, Simulation, and Grid Computing (MODEL 2009)*. Computing Society of the Philippines, May 2009.

Joseph Anthony C. Hermocilla. Ics-os: A kernel programming approach to teaching operating system concepts. *Philippine Information Technology Journal*, 2(2):25–30, 2009.

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<sup>1</sup>CV as of March 2017

## **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, Special Topics (Smart Card Technologies), Web Application Development (Graduate)

## **Professional Service**

*Program Committee Member:* Philippine Computing Science Congress (2017, 2016), National Conference on Information Technology Education (2016, 2015, 2014, 2013)

## **Administrative Service**

*Project Development Associate,* University Health Service, University of the Philippines Los Baños, 2011-2012

*Division Head,* Computer Training and Extension Division, Institute of Computer Science, University of the Philippines Los Baños, 2010-2011

## **Invited Talks**

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

## **Funded Projects**

*University Health Service Information System,* A web application for automating the processes at the University Health Service of UPLB, funded by OVCCA-UPLB, 2007-2010

*GEMS-GCP Wrapper,* A Java application which is part of the Generation Challenge Program, funded by IRRI, 2007

*Business Permit Acquisition System,* A web application for processing business permits, funded by the local government of Los Baños, 2003-2005

## **Other Work Experience**

*Network Consultant,* DOST-SEI, 2015

*Affiliate Assistant Professor,* Faculty of Information and Communication, UP Open University, 2010-2012

*Instructor,* Institute of Computer Science, University of the Philippines Los Baños, 2002-2008

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

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

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

*Trainer,* Linux Training (E-Konek employees), E-Konek, 2004

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

## **Technologies Familiar With**

*Operating Systems:* Linux (Ubuntu, Fedora, Debian, CentOS), Microsoft Windows (3.1/95/98/ME/XP/7), Solaris, DOS (MS-DOS, FreeDOS)

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

*IDE:* Microsoft Visual Studio, Eclipse, NetBeans, Android Studio, Vim

*Databases:* MariaDB, MySQL, PostgreSQL, Oracle

*Productivity Tools:* LibreOffice, OpenOffice, Microsoft Office

*System/Network Administration:* TCP/IP, DNS, Web Server(Apache), LDAP, Mail Server(Sendmail), Firewall(iptables)

*Others:* JSP, CVS, SVN, Git, LaTeX, OpenStack, Bash, Android, Symfony, Hadoop