

Hillary Caituiro-Monge

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OBJECTIVE	Be part of a team to strongly help in the enterprise success using and improving my skills, talent, and passion for computer science.	
EDUCATION	University of California Santa Barbara.	(Date) December 2006
(Degree)	Graduate Student in Computer Science.	(Major) Computer Science.
2:	University of Puerto Rico. Mayagüez Campus.	(Date) July 2003.
(Degree)	Master of Science in Computer Engineering.	(Major) Software Engineering.
(Thesis)	Fault-Tolerant Event Rule Framework for distributed systems.	(GPA) 4.0 of 4.0
1:	University of “San Antonio Abad del Cusco” – Perú.	(Date) August 2000
(Degree)	B.S. in Computer Science and Systems Engineering.	(GPA) 3.59 of 4.0
SOME SOFTWARE PROJECTS	• App for Mesh Generation with Quadtrees. ☞ Two implementations: C++ / OpenGL and Java. • Development of a whole Compiler for COOL. ☞ Implemented using Java. • Software Mobile Agents Simulator. ☞ Implemented using Java. • Virtual Library. ASP and MS SQL. • App for Very Large Data Collection and Analysis for Copper Mining. MS SQL and C/S Delphi.	
SKILLS	• Highly motivated, positive attitude and enjoy learning • Programming (C#; Java; C++; C; Object Pascal; ASP; PHP; VBScript; MPI) • Databases (MS SQL Server; DB2; MySQL; Postgres; Borland Interbase; FoxPro; CDS/Isis) • Web (Websphere IE 5.1; SOAP; XML; Java/servlets; Apache Tomcat; HTML; CGI) • Operating systems (Win 3.0/3.11/95/98/NT/2000/XP; Linux RedHat/Debian; Unix Solaris; Mac) • Design tools (Rational Rose, MS Visio, Erwin) • Analysis and design (Object Oriented; UML; Relational) • Networking (MS Windows 2000 Server and NT 4.0; Novell Network 3.12; Linux Red Hat 9.0) • Distributed systems (CORBA; FT-CORBA; Java/RMI; RPC) • Visual dev (Visual Studio.NET; WebSphere; Borland Delphi C/S; NetBeans; FrontPage)	
RESEARCH	IBM Almaden Research Center	(Date) Jun 27, 2005 to Oct 14, 2005.
(Position)	Research Intern.	
(Duties)	Research on Autonomic storage management.	
(Reference)	PhD. Sandeep Gopisetty. ✉ sandeep@almaden.ibm.com. ☎ 914-945-1612. 📄 EN.	
4:	Microsoft Research Database Group	(Date) April 4, 2005 to Jun 24, 2005.
(Position)	Research Intern.	
(Duties)	Research on Complex-event/pattern detection.	
(Reference)	PhD. Roger S. Barga. ✉ barga@microsoft.com. ☎ 425-936-2064. 📄 EN.	
3:	IBM Thomas J. Watson Research Center – Hawthorne	(Date) May 17, 2004 to Aug 27, 2004.
(Position)	Research Intern.	
(Duties)	Research on Internet distributed computing technologies. Research, analyze, design and develop a framework and a prototype for business impact evaluation for on-demand computing services. ☞ J2EE, EJB, Websphere Application Developer Integration Edition 5.1, DB2, Rational Rose, Websphere Application Server Integration Edition.	
(Reference)	PhD. Rong N Chang. ✉ rong@us.ibm.com. ☎ 1-914-784-7850. 📄 EN.	
2:	University of Puerto Rico.	(Date) August 2003 to May 2006.
(Position)	Research Assistant.	
(Duties)	Research on web services and wide-area secure collaborative databases. Collaboration, orchestration and choreography of web services. Ad-hoc federations of web services. Peer-to-Peer distributed databases. ☞ SOAP, JAXM, Postgres, JWSDP.	
(Reference)	PhD. Manuel Rodriguez. ✉ manuel@ece.uprm.edu. ☎ 1.787.8324040 ext. 3023. 📄 EN/SP.	
1:	University of Puerto Rico.	(Date) January 2002 to July 2003.
(Position)	Research Assistant.	
(Duties)	Research on fault-tolerance on non-deterministic and asynchronous reactive distributed systems. ☞ Research, analyze, design, implement, and tune a Fault-Tolerant Event Rule Framework for distributed systems: semi-active and active replication. ☞ OMG/FT-CORBA, Java 1.4, Win 2K, Unix Solaris, Rational Rose, and Sun One Studio.	

	<p>☞ Design a bugs web app using FrontPage, ASP, VBScript, and MS Access.</p> <p>(Reference) PhD. Javier Arroyo-Figueroa. ✉ jarroyo@ece.uprm.edu. ☎ 1.787.8324040 ext. 2369. 📄 EN/SP.</p>
WORK	XI ISTE General Assembly. (Date) August 2001 to December 2001.
(Position)	Web developer.
(Duties)	Design and implement an online registration web page. 🖥 FrontPage, PHP, and MySQL.
(Reference)	PhD. Fernando Vega. ✉ vega@ieee.org. ☎ 1.787.8324040 ext. 2032. 📄 SP/EN.
3:	Data Service S.R.L. (Date) May 2001 to July 2001.
(Position)	System analyst and software developer.
(Duties)	Analyze, and develop an application for the exploration process of a cooper mining company. 🖥 Rational Rose, Erwin, Delphi 5.0 Client/Server, and MS SQL Server.
(Reference)	Mgt. Henry Salas-Cernadez. ✉ datas@terramail.com.pe. ☎ 51.84.222272. 📄 SP/EN.
2:	Hyperion S.R.L. RUC. 20399753351. (Date) June 1997 to March 1999.
(Position)	Entrepreneur of a small company of 8. (Parallel to my bachelor studies)
(Duties)	As CEO: direct re-engineering process. As CTO: manage a team for develop a pharmacy management application. 🖥 MS Project, MS Outlook, MS Mail, Delphi 5.0 Client/Server, Interbase, MS Office, and MS SQLServer. As CRO: create a virtual reality research project. As project manager: development of an application for a gold company operations management.
1:	Library of San Antonio Abad of Cusco University. (Date) May 1994 to July 2001.
(Position)	Network Administrator and software developer. (Parallel to my bachelor studies)
(Duties)	As network administrator: Install, maintain and administrate hybrid network of Novell Network 3.12, Windows 2000 Server, and SQL Server 7.0; Install wires (bus-star topology), hubs and switches. As software developer: Develop applications for library; Develop an entire virtual library. 🖥 ASP, FrontPage, MS SQL Server, Pascal, MS Access, CDS/Isis, C, C++, Delphi C/S, and FoxPro.
(Reference)	Lic. Juan Cruz Tello. ✉ sacco@unsacc.edu.pe. ☎ 51.84.270332. 📄 SP/EN.
PUBLICATION	<ul style="list-style-type: none"> • H. Caituiro-Monge, M. Rodriguez-Martinez, "AWS-Net Traveler: Autonomic Web Services Framework for Autonomic Business Processes", SCC 2005, IEEE, July 2005. • H. Caituiro-Monge, M. Rodriguez-Martinez, "Net Traveler: A Framework for Autonomic Web Services Collaboration, Orchestration and Choreography in E-Government Information Systems", ICWS 2004, IEEE, 2004. • H. Caituiro-Monge, M. Rodriguez-Martinez, "AWE: Ad-Hoc Peer-To-Peer Autonomic Web Services in E-Government Information Systems", CRC 2004, UPRM, Puerto Rico, 2004. • H. Caituiro-Monge, J. Arroyo-Figueroa, "Active Replication in an Event Rule Framework for Distributed Systems", CRC 2004, UPRM, Puerto Rico, Mayaguez, 2004.
Academic papers and monographs:	<ul style="list-style-type: none"> • Intrusion detection systems in mobile ad-hoc wireless networks. (2003) • Wearable Computing: Design of Human-Computer Interfaces. (2002) • Quantum Architecture. (2002) • CORBA. (2002) • Virtual Library. (2000) • Virtual reality.
LANGUAGES	Spanish and English
HONORS	<ul style="list-style-type: none"> • First position in academic yield in the elementary school and the high school. • Two resolutions of gratefulness from the rector of the San Antonio Abad del Cusco University. • First award in web design contest using FrontPage, organized by IEEE Computer.
ACTIVITIES	<ul style="list-style-type: none"> • Member of ACM (#6986756), IEEE (#41466310) and Internet Society • Member of the Electrical & Computer Engineering Graduate Students Association. • Technical prosecutor in two electoral processes in Peru.
INTERESTS	<ul style="list-style-type: none"> • Distributes databases • Mobil ad-hoc wireless networking. • Web services and wide-area distributed systems. • Virtual reality. • Body wearable computers. • Scalable and fault-tolerant distributed systems.
LEGAL STATUS	Permanent Resident
REFERENCES	Recommendation letters and references available upon request