

Juan M. Solá Sloan

Academics

- Ph.D., Computing Information Science and Engineering
- Universidad de Puerto Rico en Mayagüez, 2009

- M.S., Computer Engineering
- Universidad de Puerto Rico en Mayagüez, 1998

- B.S., Computer Science
- Universidad de Puerto Rico en Bayamón, 1996

Complimentary Education

- Novell Netware Certified Network Administrator, 1998
- Certified File-Pro Plus Software Engineered by STN Corporation, 1996
- Java Programmer Seminar Administered by the Naval Surface Warfare Center (NSWC), 1996

Research Activities

- Reviewer for [CAHSI Annual Meeting](#), Poster Session 2015
- Reviewer for [CAHSI Annual Meeting](#), Poster Session 2011
- Proposal Reviewer for various [NSF Grants](#), 2010
- Reviewer for [CAHSI Annual Meeting](#), Poster Session 2010

Teaching Experience

- **Associate Professor** University of Puerto Rico at Bayamón, Computer Science Department, since 2009
- **Adjunct Professor** Polytechnic University of Puerto Rico, Computer Science and Engineering Graduate Program, 2009-2010
- **Computer Science Instructor** University of Puerto Rico at Bayamón, Computer Science Department, 1998-2001

- **Computer Science Instructor** Polytechnic University of Puerto Rico, Computer Engineering Department, 1998 - 1999

Work Experience

- Consultant for the deployment of the LINUX FPCGI for the NPS System. (Summer 2004).
- Worked as full-time Faculty at [Universidad de Puerto Rico en Bayamón](#) (Jan 1998 - May 2001)
- Worked as a Lecturer at [Universidad Politécnica de Puerto Rico](#)(1998-1999).
- Consultant for MINI Computer Information Systems. Consultant Computer Programmer, Manager of Information System and Network Technician in the Y2K COBOL conversion. (1998-1999)

ACM-ICPC and Programming Contests

- Coach of the teams that represented Puerto Rico on the [ACM-ICPC Caribbean Finals](#), since 2012.
- Sub-director of Puerto Rico's [ACM International Collegiate Programming Contests](#).
- Co-chairman of the Twelvth Inter-College Computer Programming Contest held at UPRB, 2012.
- Coach of *Los Vaqueros* on the [ACM-ICPC Caribbean Finals](#), at *Instituto Tecnológico de Santo Domingo*, INTEC, November 2012.
- Co-chairman of the Eleventh Inter-College Computer Programming Contest held at UPRB, 2011.
- Judge of the Third Programming Contest of the Inter-American University at San German, 2011
- Co-chairman of the Tenth Inter-College Computer Programming Contest held at UPRB, 2010.

Other Experience

- Volunteer helping fellow professor at UPR Bayamón in a Neural Network Search Engine and Recommendation System using the UCI Knowledge Discovery in Database, 2000.
- Refining The Spiral Model of Software Engineering Applied to an Order Processing System using Hand Held Terminals, 1998
- Physical Therapy Expert System for Knees and Ankles Injuries. Project presented as a requisite for Artificial Intelligence graduate course. University of Puerto Rico, Mayaguez Campus. Advisor: Dr. Ramón Vásquez Espinosa, 1998
- MAZDA GLC Mechanical Advisor Expert System, 1997
- Volunteer 3D animator of the ELB Computer Animation Studios. Work with animated series Tres Corazones, 1996

Computer Skills

Programming Languages

- **2nd Gen** : 80x86 and Pentium Assembly Language
- **3rd Gen** : C/C++, Java, RPG, Pascal, COBOL, Prolog
- **4th Gen** : SQL
- **Scripting** : UNIX Bash, Perl, AWK, sed, TCAL, TK/TCL, OTCL
- **Product Specific** : Visual Basic, Gnuplot, MS VB Scripts, RGUI
- **Web** : DHTML, XML, CSS, Javascript, PHP, FPCGI
- **HPC Languages** : MPICH, Cilk, OpenMP

Operating Systems

- Linux/UNIX, Windows, Netware