

Carlos A. Villalba

Curriculum Vita

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Carlos A. Villalba

1. General Information

NAME: Carlos Alberto Villalba Franco

MARITAL STATUS: Married.

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USA Office: Syracuse University
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Syracuse, NY 13244. USA
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USA Home: 11 Tigerwood Dr.
Liverpool, NY 13090. USA

Telephone: 315-299-8402

Instructional Design, Development and Evaluation – Theory and practice.

This includes:

2. Academic Specialization
- Web-based instruction / training
 - Computer Mediated Communication
 - Course design and development
 - Curriculum development
 - Design and Development of CAI and Interactive multimedia
 - Distance Education Theory and Practice
 - Educational/training project planning
 - Evaluation of instructional systems
 - Hypertext, Hypermedia and World Wide Web
 - Instructional Design and Development
 - Job, task and content analysis
 - Management of instructional development projects
 - Media selection and use
 - Test instrument and system design

Certified by different vendors and organizations in the following areas:

3. IT Specialization
- Oracle Database Administration
 - Network Security
 - ISO 17799
 - ISO 27000 series
 - Ethical Hacking

- Certified Information Security Specialist Professional
- Certified Technical Trainer
- Certified Help Desk Analyst Trainer
- Certified HIPAA Trainer
- Certified CIW Trainer
- Certified Microsoft Office Master
- IT Auditor
- IT Analyst

Principal Qualifications

2010. School of Education, Syracuse University. Syracuse, NY.
 Doctorate Degree: (ABD) Instructional Design, Development and Evaluation.

- **Concentration: Distance Education and Web based training.**

1996 – 1997 Syracuse University Syracuse, NY. U
 MS/Instructional Design, Development and Evaluation

- **Concentration: Evaluation and Research**

1989 – 1995 Universidad Simón Rodríguez Caracas, Venezu
 Licentiate/ Integral Education

- **Major: Mathematics**

1993 – 1994 National Inst. for Cooperative Educ. San Juan, Venezu
 Technician: Computer Systems Maintenance

- **Concentration: Networks, LANs, Desktop Systems.**

Supplementary Courses and Experience

4. Academic
 Background

ELECTRONIC MAIL

UNIVERSIDAD NACIONAL ROMULO GALLEGOS. San Juan de los Morros.
 Guárico state. Length 10 hours. 1.990

URBAN CENSUS

Juan Germán Roscio City Hall- Fundacomún. San Juan de los Morros. Guárico
 state. Venezuela. Length 40 hours. 1.990.

AUTOMATIZED URBAN CENSUS WORKSHOP

Juan Germán Roscio City Hall- Fundacomún - Progesi - GTZ. San Juan de los
 Morros. Edo. Guárico. Venezuela. Length 08 hours. 1.992.

DBASE III+

INSTITUTO NACIONAL DE COOPERACION EDUCATIVA. San Juan de los
 Morros. Guárico state. Venezuela. Length 60 hours. 1.993.

COMPUTER SYSTEMS AUDIT

INSTITUTO NACIONAL DE COOPERACION EDUCATIVA. San Juan de los
 Morros. Guárico state. Venezuela. Length 20 hours. 1.994.

COMPUTER MAINTENANCE

INSTITUTO NACIONAL DE COOPERACION EDUCATIVA. San Juan de los

Morros. Guárico state. Venezuela. Length 50 hours. 1.994.

VIDEO CAMERAS TROUBLESHOOTING

PANASONIC DE VENEZUELA, C.A. Valencia. Carabobo state. Venezuela.
Length 8 hours. 1.995

CD-PLAYER TROUBLESHOOTING

PANASONIC DE VENEZUELA, C.A. Valencia. Carabobo state. Venezuela.
Length 8 hours. 1.995

HTML Basics

Computer and Media Services – Syracuse University, New York. U.S.A.
Length 4hours. 1.997

Listserv basis

Computer and Media Services – Syracuse University, New York. U.S.A.
Length 2hours. 1.998

Brioquery

Computer and Media Services – Syracuse University, New York. U.S.A.
Length 2hours. 1.999

Document Analysis

Office of Residence Life – Syracuse University, New York. U.S.A.
Length 1hour. 1.999

Focus group

Office of Residence Life – Syracuse University, New York. U.S.A.
Length 1hour. 1.999

Survey Design

Office of Residence Life – Syracuse University, New York. U.S.A.
Length 1hours. 1.999

Certification: Certified Ethical Hacker

07, 2007 ECCOUNCIL NY, NY. US

Certification: Certified Information Systems Security Professional CISSP

08, 2005 ISC2 NY, NY. US

Certification: ITIL Fundamental (EXIN)

06, 2005 Syracuse University Syracuse, NY. US

Certification: Oracle 9i Database Administrator

06, 2005 Syracuse University Syracuse, NY. US

Certification: CompTIA CTT+ (written part, pending video)

09, 2003 Syracuse University Syracuse, NY. US

Certification: CompTIA i-Net+
09, 2003 Syracuse University Syracuse, NY. US

Certification: CIW Associate
09, 2003 Syracuse University Syracuse, NY. US

Certification: Certified HIPAA Instructor, HIPAA Administrator and Professional
01, 2003 HIPAA ACADEMY Syracuse, NY. US

Certification: Oracle 8i Certified Professional Database Administrator
09, 2002 Oracle Syracuse, NY. US

Certification: Help Desk Analyst Certified Instructor
09, 2002 Help Desk Institute Syracuse, NY. US

Certification: Train the Trainer
08, 2001 Langevin Syracuse, NY. US

Certification: 25 creative ways to add excitement to your training
08, 2001 Langevin Syracuse, NY. US

Certification: Microsoft Master Instructor MOUS
2001 Microsoft Syracuse, NY. US

Certification: Microsoft Office User Specialist: Outlook
2001 Microsoft Syracuse, NY. US

Certification: Microsoft Office User Specialist: PowerPoint
2001 Microsoft Syracuse, NY. US

5. Graduate
Courses toward
Syracuse
University
Doctorate

Introduction to Educational Technology
Principles of Instruction and Learning.
Computers in Education.
Principles of Instructional Development.
Techniques in Educational Evaluation.
Strategies in Educational Project Management.
Instructional Product Development.
Analysis for Human Performance Technology Decisions.
Distance Education.
Instructional Design: Theory and Practice.
Concepts and Issues in Educational Evaluation.
Cost-Effectiveness in Instruction and Training.
Investigative Research and Evaluation Methods.
Introduction to Survey Research.
Advance Instructional Design
Advanced Seminar in Quantitative Research Methods.

2001-Present. iSchool -Center for Business and Information Technologies. Syracuse, N
Adjunct Faculty – Senior Computer Tech Instructor

As a Senior Computer Technology Instructor my activities include, but are not limited to delivering specific training curriculum on a variety of topics surrounding the Help Desk industry, Oracle Database Technologies, IBM DB2 Technologies, ITIL, HIPAA, Network+, Security+, Microsoft Certified Desktop Support Technician, Network Defense and Countermeasures, Network Security, Certified Ethical Hacking, Certified Information Security Specialist Professional and Microsoft Office Applications within the CNY market (both at SU facilities and at the facilities of corporate clients). I am involved in all aspects of the design, development and evaluation of courses/programs by providing technical expertise and intellectual content for CBIT-developed courses, recommend and supplement purchased materials for licensed (externally developed) courses. In average I delivered more than 540 hours of instructor-led training per year. In addition I am involved in assessing potential opportunities for new courses/programs, developing course outlines, requirements, testing, and evaluating the courses/programs. Responsible for Security strategy, policy, technical and administrative procedures. I also specialize in security hardening and management technologies, overseeing architecture and implementations successfully from the ground up. My primary focus is developing security integration frameworks & security testing tools to provide defense in depth towards security assurance. I manage Oracle databases and web servers to provide my students a 24/7 availability lab environment. I also manage a learning management system based on Moodle to complement face-to-face instruction and to provide online support. I also serve as the webmaster for: CBIT, Outsourcing Professional Institute and others.

6. Work Experience

2002-Present WebPortalSolution. Syracuse, NY. US
Computer Based Assessment Specialist

- Oracle consulting, IT security consulting/auditing, SOX, HIPAA, ISO17799, Penetration Testing, Ethical Hacking, Oracle Database Tuning,
- Planning, designing, development, and audit of Information Protection Projects, Business Continuity and Disaster Recovery Plans and Security Reviews including the strategic development of security architectures, policies and procedures in accordance with ISO 17799.
- Customization of open-source portal solutions.

1998 – 2000 Office of Residence Life at Syracuse University Syracuse, NY. USA
Computer Based Assessment Specialist

- Collecting, analyzing and reporting quantitative and qualitative data.
- SAS programming for data analysis.
- Reporting to the Associate Director on project implementations.
- Design, Development, and Implementation of Web-based surveys to gather data from students living in the Syracuse University Residence Halls.
- Design and development of databases with web-based interfaces.

1998 Center for Support of Teaching and Learning Syracuse, NY. USA
Assessment, Evaluation and Research Doctoral Intern

- Collecting, analyzing and reporting quantitative and qualitative data.
- SAS programming for data analysis.
- Reporting to the Associate Director on project implementations.
- Design, Development, and Implementation of Web-based surveys to gather data from students living in the Syracuse University Residence Halls.
- Design and development of databases with web-based interfaces.

1997 – 1997 OCM-BOCES Regional Information Center Syracuse, NY. USA
Lead Designer, Java code / HTML developer

- Front End Analysis on organizational requirements and practices.
- Responsible for organizational assistance, design research, HTML, and JAVA implementation, consultation, and development of advanced web structures.
- Navigational and hierarchical system design and development.

1995 – 1996 Rómulo Gallegos University San Juan, Venezuela
Assistant Professor/ Mathematics I, Computerized Solutions

- Assisted faculty in the design, preparation, and execution of courses delivered in various formats. Recommended, troubleshoot and utilize hardware, software and delivery technologies. Provided instruction to faculty for use of technology in their instruction to students. Developed and produce instructional materials for use by faculty to enhance the learning process.

1994 – 1995 Rómulo Gallegos University San Juan, Venezuela
Assistant Director/ Central Office of Information

- Database Manager. Designed and managed Microsoft Access database of 10,000 records. Created user-friendly, interactive interfaces for office use. Analyzed data and produced directories, mailing labels and other reports. Statistical analysis including One way ANOVA, descriptive statistic, t-test, and correlation analysis.

1994 – 1994 Simón Rodríguez University San Juan, Venezuela
Teacher Assistant / Computer Introduction for Education

- Worked closely with faculty instructing students in the development, design, and application of instructional software.
- Assist faculty in class management, planning, evaluation, and development of test and students' reports.

At Rómulo Gallegos University

- Mathematics I
- Introduction to Computers
- Computing for Education
- Computerized Solutions for Faculty (Workshop)
- Electronic Mail for Faculty (Workshop)

At Syracuse University

- Advanced Spanish
- Certified Information Security Professional (CISSP)
- Customer Service, Support and Problem Solving for Help Desk Professionals
- Health Insurance Portability and Accountability Act (HIPAA)(Bootcamp)
- Information Technology Infrastructure Management (ITIL)(Bootcamp)
- Linux System Administration
- Linux System Administration
- Supporting Users Running the Microsoft Windows XP Operating System
- Supporting Users Running Applications on aMicrosoft Windows XP Operating System
- CompTIA Security+
- Hardening the Infrastructure
- Network Defense
- and Countermeasures
- Oracle Database 10g: Introduction to SQ
- Oracle Database 10g: Administration Workshop
- Oracle 10g Database: Administrative Workshop II
- Oracle 10g: Program with PL/SQL

7. Courses Taught

- Internet Business Foundations
 - Site Development Foundations
 - Networking fundamentals i Net+
 - Web Site Design Methodology and Technology
 - E-Commerce Strategies and Practices
 - Java Script Programming
 - MOS Microsoft Office User Word Level I, II, III
 - MOS Microsoft Office User Excel Level I, II, III
 - MOS Microsoft Office User Powerpoint
 - MOS Microsoft Office User Access Level I, II, III
 - Help Desk Analyst
 - Advanced Database Design
 - Linux System and Open Source Applications
 - Professional Issues in Information Management and Technology
8. Extracurricular activities
- Member of Social Activities Committee. IDD&E - Syracuse University
 - IDD&E Webmaster. IDD&E - Syracuse University.
 - Treasurer. Venezuelan Organization of Students and Scholars at Syracuse University.
 - Photography
9. Professional memberships & affiliations
- American Society for Training & Development. U.S.A
 - Venezuelan Organization of Students and Scholars. U.S.A.
 - Venezuelan Association of Informatics Education. VENEZUELA
 - Venezuelan National Academic Network of Science and Technology. VENEZUELA
 - Association for the Advancement of Computing in Education. (Member)
 - American Evaluation Research Association. (Member)
 - Review of Education at a Distance (Editor). <http://www.abed.org.br>
 - Center for International Services (Editor). <http://sumweb.syr.edu/lescis>
 - Brazilian Association for Distance Education (Editorial Board)
 - IBM Scholars Program (Member)
10. Community activities
- Editor of OISNEWS, electronic newsletter delivered by e-mail and HTML format. Office of International Services at Syracuse University. New York. U.S.A.
11. Volunteer experience
- Fulbright Spanish Language Evaluator 1997, 1998. Office of Professional Development. Syracuse University. New York. U.S.A.

Books

12. Patents, publications, and conferences
- Carpio, H., Villalba, C. (1996). Electronic Mail Reacciu - Internet. UNERG Editorial Foundation. Guarico state, Venezuela
 - Villalba, C. (1998). Instructional Design and Development of Web based documents. UNERG Editorial Foundation – FUNDAYACUCHO. Guarico, Venezuela
 - Villalba, C., & Romiszowski, A. J. (2001). Current and ideal practices in designing, developing, and delivering Web-based training. In B. H. Khan (Ed.), Web-based training. Englewood Cliffs, NJ: Educational Technology Publications.

Papers

- Villalba, C., (1998), Investigative Inquiry Using the Internet: Evaluating Internet

information sources. Proceedings of the 12th Annual Dr. Kelly's Evaluation Conference, Ottawa - Canada. February 11 (in press).

- Villalba, C. (1998). HTML for faculty and researchers. , Proceedings of the 2nd Educational Technologies for Distance Education, Higher Education and Libraries Symposium. Merida - Venezuela. July 8-11 (in press).
- Villalba, Carlos. (1998) Current and Ideal Practices in Evaluating Multifunctional Software Programs that Support Web Based Instruction, Chicago IL.
- Villalba, C., (1998), Investigative Inquiry Using the Internet: Evaluating Internet information sources., Proceedings of the 12st Annual Dr. Kelly's Evaluation Conference, Ottawa - Canada. February 11.
- Villalba, C. (1998). Instructional design basis for faculty. Proceedings of the 11nd Educational Technologies for Distance Education, Higher Education and Libraries Symposium. Merida - Venezuela. July 8-11.
- Chamberlain, A., Jang, S., Morgan, J., Villalba, C. (1998). Cultural Influences on Emergent Evaluation Designs. In Smith, N.L. (chair), Research on Evaluation: SIG/Survey Research in Education. Interactive Symposium conducted at the Annual Meeting of the AERA, Montreal, 1998.
- Villalba, C. & Romiszowski, A. (1999). AulaNet and other Web-based Learning Environments: a comparative study in an International context. Proceedings of the 1999 ABED International Conference, Rio de Janeiro, August 1999. São Paulo, Brazil: Associação Brasileira de Educação a Distância (ABED). www.abed.org.br
- Villalba, C. & Romiszowski, A. (2000). Structural Communication. Proceedings of Teaching Tools. Syracuse University, Syracuse, NY. [2000 October].
- Villalba, C. & Romiszowski, A. (2000). Structural Communication and web based instruction. Proceedings of the World Conference on Educational Multimedia, Hypermedia, and Telecommunications. [CD-ROM]. AACE, Montreal, CA. [2000, June 28th].
- Villalba Carlos. (2003).Distance Education in Venezuela. Brazilian Review of Open and Distance Learning, 2(3). Available online at www.abed.org.br
- Villalba Carlos. (2004).Structural Communication and Web Based Instruction. Brazilian Review of Open and Distance Learning, 2(4). Available online at www.abed.org.br
- Villalba, C. & Romiszowski, A. (2004). Structural Communication and web based instruction. Series on Computer Science and Applications. in V. Uskov.WEB-BASED EDUCATION, Calgary, AB Canada. 646 pages.
- Villalba, C. & Romiszowski, A. (2004). Structural Communication and Web based Instruction. Presented at and published in the proceedings of the IASTED International Conference on Artificial Intelligence and Applications (AIA 2004), Innsbruck, Austria, 16-18 February 2004. 416-128
- NORONHA, R. V. ; VILLALBA, C. ; ROMISZOWSKI, A. ; FERNANDES, C. T. . An Authoring Tool for the Design of Structural Communication Exercises in Web-based Environments. In: 11º Congresso Internacional de Educação a Distância, 2004, Salvador. Anais do 11º Congresso Internacional de Educação a Distância, 2004.
- NORONHA, R. V. ; VILLALBA, C. ; ROMISZOWSKI, A. ; FERNANDES, C. T. . A Suite of Authoring Tool for the Design of Structural Communication Exercises in Web-based Environments. In: XV Simpósio Brasileiro de Informática na Educação, 2004, Manaus. Anais do XV Simpósio Brasileiro de Informática na

Educação, 2004.

- Villalba, C. (2005). How It Works: Oracle Database Security. Secure Enterprise Magazine. <http://www.nwc.securitypipeline.com/howto/57701821>. February 2005. US.
- Villalba, C. (2006). Network Defense and Countermeasures. Manufacturing Association of Central New York. April 2006. US.
- Villalba, C. (2006). Securing the corporate environment. Manufacturing Association of Central New York. Nov 2006. US.
- Villalba, C. (2007). Securing IT. Association for Computing Machinery. June 2007. US.
- Villalba, C. (2007). HIPAA Security Rules. NYTechSummit-2007. June 2008. US.
- Villalba, C. (2008). Disaster Recovery Planning. Manufacturing Association of Central New York. Feb 2008. US.
- Villalba, C. (2008). Securing Electronic Records: HIPAA Security. NYTechSummit-2008. June 2008. US.

Educational/Training Software

- REACCIUN. Electronic Mail Interactive Manual for Faculty. 1994. Universidad Nacional Experimental Rómulo Gallegos.
- MICERN. Electronic Mail Interactive Manual for Faculty. 1996. FUNDAYACUCHO.
- Structural Communication Harvard Business Case Simulation. 2000. Syracuse University.

Conferences

- Guest Speaker at the Computers in elementary Education: Meeting point. Instituto Nuevo Amanecer. Caracas. Venezuela. Length 16 hours. 1.993.
- Invited presenter/discussant at the Career validation workshop for undergraduate career within the university. UNIVERSIDAD NACIONAL EXPERIMENTAL SIMON RODRIGUEZ. San Juan de los Morros. Guárico state. Venezuela. Length 8 hours. 1.994.
- Invited Speaker at the Job task analysis for computing careers. INSTITUTO NACIONAL DE COOPERACION EDUCATIVA. San Juan de los Morros. Guárico state. Venezuela. Length 20 hours. 1.994.
- Participant at the I, II and III National Congress on Educational Informatics
- UNIVERSIDAD DE LOS ANDES. Merida. Venezuela. Length 24 hours. 1.992-1994.
- Invited Speaker at the 2nd Educational Technologies for Distance Education, Higher Education and Libraries Symposium. Merida - Venezuela. July 8-11. 1998.
- Participant at the 12th Annual Dr. Kelly's Evaluation Conference, Ottawa - Canada. February 11. 1998.

- NORONHA, R. V. ; VILLALBA, C. ; ROMISZOWSKI, A. ; FERNANDES, C. T. . An Authoring Tool for the Design of Structural Communication Exercises in Web-based Environments. In: 11º Congresso Internacional de Educação a Distância, 2004, Salvador. Anais do 11º Congresso Internacional de Educação a Distância, 2004.
- NORONHA, R. V. ; VILLALBA, C. ; ROMISZOWSKI, A. ; FERNANDES, C. T. . A Suite of Authoring Tool for the Design of Structural Communication Exercises in Web-based Environments. In: XV Simpósio Brasileiro de Informática na Educação, 2004, Manaus. Anais do XV Simpósio Brasileiro de Informática na Educação, 2004.
- Villalba, C. (2006). Network Defense and Countermeasures. Manufacturing Association of Central New York. April 2006. US.
- Villalba, C. (2006). Securing the corporate environment. Manufacturing Association of Central New York. Nov 2006. US.
- Villalba, C. (2007). Securing IT. Association for Computing Machinery. June 2007. US.
- Villalba, C. (2007). HIPAA Security Rules. NYTechSummit-2007. June 2008. US.
- Villalba, C. (2008). Disaster Recovery Planning. Manufacturing Association of Central New York. Feb 2008. US.
- Villalba, C. (2008). Securing Electronic Records: HIPAA Security. NYTechSummit-2008. June 2008. US.

13. Awards

- SUIQ Certificate of Exemplary Achievement, Chancellor's citation. Syracuse University. 2000.
- Vice President's award for outstanding graduate student. Syracuse University. 2000.
- Who's who in American Universities & Colleges. Syracuse University. 2000.
- Honorable mention for the "DIVERSITY" core award. Office of Residence Life. Syracuse University. 2000.
- Honorable Member of the Phi Beta Delta, Honor Society for International Scholars. 2003
- US Department of Labor. Defining the Workforce (Collaborator) 2007.

14. Working Languages

- English Fluent reading, writing, Fairly well speaking
- Spanish Fluent (speaking, reading, writing)
- Portuguese Fair Verbal.