

Escuela Superior Politécnica del Litoral

CV

1. PERSONAL INFORMATION

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| SURNAMES: | Solorzano Alcivar |
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2. ACADEMIC INFORMATION

| TITLE | LEVEL | INSTITUTION | AREA | COUNTRY |
|---|--------------|---|---|-----------------------|
| PhD. _ Doctor of Philosophy (Adoption of Technologies and Information Systems) | Fourth level | Griffith University | Technology of information and communication | Australia |
| High Research Diploma | Fourth level | Griffith University | Education | Australia |
| Diplomacy and International Relations academic certification | Fourth level | Geneva School of Diplomacy and International Relations | International relations | Swiss |
| Master of Business Administration MBA | Fourth level | ESPOL - the University of Quebec in Montreal | Social sciences, business education and law | Canada |
| Master in Quality Systems Administration | Fourth level | ESPOL in agreement with the University of Monterrey | Technology of information and communication | Mexico |
| Diploma as a Specialist in the Design, Administration and Development of International Projects | Fourth level | ESPOL in agreement with the Pontifical Catholic University of Ecuador | Social sciences, business education and law | Ecuador |
| Bachelor of Information Systems | Third level | ESPOL | Information Systems and Technologies | Ecuador |
| Microcomputer Support Analyst | Third level | Sheridan College | Information Systems and Technologies | Canada |
| Systems analyst | Third level | ESPOL | Information Systems and Technologies | Ecuador |
| Certifications of specialized international diplomas | Fourth level | UQ University and Oxford University | Information Systems and Technologies | Australia and England |

3. EXPERIENCE IN INSTITUTIONS OF HIGHER EDUCATION

| INSTITUTION | EXPERIENCE | START DATE | END DATE | DEDICATION |
|--|--|------------|------------|------------|
| ESPOL | Dean, Facultad de Srte, Diseño y Comunicación Audiovisual | 13/11/2022 | Present | Full time |
| ESPOL | Professor | 05/19/1986 | Present | Full time |
| ESPOL | Professor and Researcher: • Director of Research Projects (Education-Art-Technology line) • Director of Scientific Journals RTE and ÑAWI | 2017 | Present | Full time |
| Griffith University | Visiting professor | 01/12/2014 | 09/30/2016 | full time |
| ESPOL | Thesis director and member of the evaluation court. ESPAPE Postgraduate Students | 2008 | 2011 | Occasional |
| Holy Spirit University (UESS) | Invited thesis director. Postgraduate students | 2010 | 2012 | Occasional |
| Holy Spirit University (UESS) | Professor Guest level graduate | 2009 | 2010 | Occasional |
| University of Machala | Visiting Professor postgraduate level | 2009 | | Occasional |
| CEC-ESPOL, Technical University of Babahoyo UTB, University of Santa Elena | Instructor in training and continuing education seminars and workshops | 2005 | 2010 | Occasional |
| ESPOL | Director of Research and Development Projects. Technology area, applied to early childhood education: Projects "Children's Didactic Interactive Multimedia (MIDI). | 2001 | 2010 | Full time |
| ESPOL | Director of Multimedia Research and Development Laboratory | 2001 | 2002 | Full time |
| ESPOL | Director of Multimedia Research and Development Laboratory | 2006 | 2008 | Full time |

4. PROFESSIONAL EXPERIENCE

| INSTITUTION | POSITION | AREA | START DATE | END DATE |
|-------------|--|----------------------------|------------|----------|
| ESPOL | Director of Technological Magazine ESPOL - RTE Indexed multidisciplinary scientific journal | Dean Research | 10/30/2019 | Present |
| ESPOL | Executive Director Indexed Research Magazine "ÑAWI: Art Design and | Faculty of art, design and | 09/27/2017 | Present |

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| | Communication" | communication | | |
| ESPOL | Member of the Postgraduate Committee for the Master's Degree in Audiovisual Digital Postproduction. | Audiovisual Digital Postproduction | 2017 | 2017 |
| Griffith University | Elected Vice President of the Graduate Student Association | students Association | 2015 | 2016 |
| Griffith University | Elected representative of International students of the Association of Postgraduate Students | students Association | 2014 | 2015 |
| (IJMSEM) International Journal of Management Science and Engineering Management, ÑAWI, LA-CCI EEE 2018, CITT 2018, LA-CCI EEE 2019, ICIS 2013, IGI-Global, Indian Institute of Information Technology Design and Manufacturing Kancheepuram | Visiting professor-researcher as session director at international conferences, member of several technical committees and blind peer reviewer in international and national scientific journals, international conference publications, book chapters and doctoral theses | Research | 2013 | 2019 |
| ESPOL | Elected President of the Teachers Association | Teachers Association | 2008 | 2013 |
| ESPOL | Deputy director of the magazine ESPOL – FOCUS | rectory | 2008 | 2009 |
| ESPOL | Director of the School of Design and Visual Communication Escuela-EDCOM | Faculty of art, design and communication | 2006 | 2006 |
| ESPOL | Director (General Coordinator) in three different periods of the Computer Technology and Graphic Design Program-PROTCOM (currently FADCOM) | Faculty of art, design and communication | 2003 | 2005 |
| ESPOL | Vice Chancellor (e) of Student Affairs and Polytechnic Welfare | Polytechnic Welfare | 2002 | 2003 |
| ESPOL and private companies, NGOs and government institutions, such as ECAPAG, INTERAGUA, FFAA, and Municipality of Samborondón, among others | Director of several technical projects related to the development of Information Systems; Systems Audits and Systems Reengineering | public and private sector | 1989 | 2010 |

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|--|--|--|------|------|
| ESPOL | Director (General Coordinator) in three different periods of the Computer Technology and Graphic Design Program-PROTCOM (currently FADCOM) | Faculty of art, design and communication | 1999 | 2001 |
| DEASESORIAS SA Information Systems Development and Support Company | President | Management | 1996 | 2001 |
| Financial corporations and public institutions such as CFN | Information Systems Advisor | public and private sector | 1986 | 2008 |
| ESPOL | Director (General Coordinator) in three different periods of the Computer Technology and Graphic Design Program-PROTCOM (currently FADCOM) | Faculty of art, design and communication | 1989 | 1991 |
| FACTURINSA and BHU BANK | IT Manager | financial business | 1987 | 1994 |

5. ACADEMIC EVENTS

| EVENT | TYPE | STAKE | START DATE | END DATE | DURATION | CERTIFIED BY: |
|--|------------|------------------------|------------|------------|----------|---|
| Research Methodology | course | Participant (received) | 5/3/2020 | 7/3/2020 | twenty | UNAE and the US embassy |
| ACM chapter international conference on educational technology, language and technical communication | conference | Instructor (taught) | 1/27/2020 | 1/31/2020 | twenty | ACM |
| Development of teamwork skills | workshop | Competitor (Received) | 12/12/2019 | 12/13/2019 | 6 | Centro de emprendimiento de la escuela superior politécnica del litoral |
| the 2nd international conference on computers on computer in management and business | conference | Instructor (taught) | 3/24/2019 | 9/27/2019 | 32 | |
| Bonding School- Part 1 | course | Participant (received) | 4/23/2019 | 4/26/2019 | 16 | Escuela superior politécnica del litoral |

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|---|------------|-----------------------|------------|------------|----|--|
| The 5th international conference on information management | conference | Instructor (taught) | 3/24/2019 | 3/27/2019 | 32 | |
| LASER 2018 | conference | Participant(received) | 10/22/2018 | 10/26/2018 | 32 | M. sc. Eduardo Montero Carpio president of the organizing committee |
| Qualitative research methods in the social sciences | course | Competitor (Received) | 4/9/2017 | 9/8/2017 | 20 | FIMCBOR |
| Computer forensics | course | Competitor (Received) | 11/21/2011 | 6/12/2011 | 36 | Escuela superior de diseño y comunicación visual EDCOM ESPOL |
| English language studies - academic level | course | Participant(received) | 2/21/2011 | 4/29/2011 | 80 | Institute of Continuing & TESOL education the University of Queensland |
| Network of administrators of Ibero-American universities | seminar | Competitor (Received) | 10/11/2010 | 10/13/2010 | 24 | Red de administradores de universidades iberoamericanas |
| REE LA Congress 2009 | congress | Competitor (received) | 11/25/2009 | 11/27/2009 | 24 | Universidad del Desarrollo |
| Advanced program in international financial markets | others | Competitor (Received) | 10/30/2009 | 10/30/2009 | 8 | Georgetown university |
| Creativity as a work tool | course | Competitor (Received) | 9/28/2009 | 2/10/2009 | 24 | Escuela superior politécnica del litoral |
| Developing creative thinking | course | Competitor (Received) | 9/21/2009 | 9/25/2009 | 25 | Escuela superior politécnica del litoral |
| Aspects to consider in the new higher education organic law | seminar | Competitor (Received) | 5/27/2009 | 5/29/2009 | 30 | GESECAL, Universidad técnica de Esmeraldas |
| Patrimonial declaration | seminar | Competitor (received) | 2/19/2009 | 2/19/2009 | 3 | Escuela superior politécnica del litoral |

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|--|-----------|-------------------------|------------|------------|---------|---|
| National Congress of the National Federation of University and Polytechnic Professors of Ecuador FENAPUPE | congress | Competitor (Received) | 8/1/2009 | 10/1/2009 | fifteen | Federación nacional de profesores universitarios y politécnicos del Ecuador |
| Theoretical perspectives and methodological guidelines for the creation of distance education programs | seminar | Competitor (Received) | 5/16/2008 | 5/18/2008 | twenty | ESPOL - CISE |
| Commands 02 and 04 | seminar | Competitor (received) | 4/4/2008 | 5/4/2008 | 12 | Enfoque gerencial |
| Declaration and payment of income tax of natural persons and application of the new tax equity law to the public sector and natural persons | seminar | Competitor (Received) | 2/20/2008 | 2/22/2008 | 10 | Centro de transferencia de tecnologías |
| Techniques for the development of computer manuals | seminar | Instructor (taught) | 12/12/2007 | 12/12/2007 | 10 | |
| Espolciencia 2007, first place posters: methodology and teaching for early childhood education supported by the use of technological tools. mod poster | congress | presentation | 11/14/2007 | 11/14/2007 | 8 | |
| Roundtable on entrepreneurship education in Latin America | seminar | Competitor (Received) | 10/30/2007 | 11/1/2007 | 10 | Standford technology venture programs |
| Standards in the creation of information systems manuals | seminar | Instructor (taught) | 9/25/2007 | 9/25/2007 | 10 | |
| The importance of quality assurance and accreditation on the path to excellence: the experience of the University of Puerto Rico Mayaguez | seminar | Competitor (Received) | 9/14/2007 | 9/14/2007 | 8 | Escuela superior politécnica del litoral |
| Use of the sidweb learning environment | workshop | Competitor (Received) | 9/14/2007 | 9/14/2007 | 10 | Escuela superior politécnica del litoral |
| Evaluating results of engineering programs | seminar | Competitor (Received) | 9/13/2007 | 9/13/2007 | 8 | Escuela superior politécnica del litoral |
| Computer science & information technology symposium | symposium | Competitor (Received) | 6/28/2007 | 6/28/2007 | 8 | Computer science & information technology symposium |

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|--|-------------|-----------------------|------------|------------|-------|--|
| start course, phase ii, cycle I of the c3 program | seminar | attendance | 4/23/2007 | 4/5/2007 | 48 | |
| Computer systems documentation technique | seminar | Instructor (taught) | 4/19/2007 | 4/19/2007 | 10 | |
| University Strategic Management | seminar | Competitor (Received) | 8/12/2006 | 12/13/2006 | 25 | Escuela superior politécnica del litoral |
| C3 start - participatory training techniques | seminar | Competitor (Received) | 2/12/2006 | 6/12/2006 | 28 | CORPEI, GFA consulting group (Alemania) |
| II national congress of research, technology and innovation & conference Espolciencia 2006 | congress | attendance | 11/14/2006 | 11/15/2006 | 16 | |
| REE Latin America | congress | Competitor (Received) | 8/11/2006 | 11/10/2006 | 24 | ESPOL - Centro de desarrollo de emprendedores |
| Training of multipliers in entrepreneurship | working day | Competitor (Received) | 10/23/2006 | 10/27/2006 | fifty | Sistema ecuatoriano de apoyo a la formación de emprendedores |
| Research methodology and development methodology | seminar | Competitor (received) | 9/19/2006 | 9/22/2006 | 32 | Escuela superior politécnica del litoral |
| Statistical analysis of the patterns observed in teacher evaluation at ESPOL | workshop | Competitor (Received) | 8/30/2006 | 8/30/2006 | 8 | Centro de investigaciones y servicios educativos |
| Training for tutors of thesis or undergraduate project | workshop | Competitor (Received) | 5/7/2006 | 7/7/2006 | 12 | Centro de investigaciones y servicios educativos |
| Introduction to ISO 9001:2000 | workshop | Competitor (Received) | 6/22/2006 | 6/22/2006 | 4 | Escuela superior politécnica del litoral |
| VI fie congress | congress | Competitor (received) | 5/6/2006 | 5/6/2006 | 8 | Federacion interamericana empresarial |
| Leadership: charting the route to global leadership | seminar | Competitor (Received) | 10/12/2005 | 10/12/2005 | 42 | Universidad West Virginia |
| Training workshop on information and communication technology (ICT) policies | workshop | Competitor (Received) | 8/8/2005 | 8/9/2005 | 16 | Infodesarrollo, APC |

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|--|----------|--------------------------------|------------|------------|------------|---|
| Technical specifications discussion workshop for websites | workshop | Competitor (Received) | 6/14/2005 | 6/15/2005 | 16 | CONATEL |
| effective negotiation | course | Competitor (Received) | 10/11/2004 | 10/19/2004 | 60 | Escuela superior politécnica del litoral - CELEX |
| Teacher evaluation at ESPOL | seminar | Competitor (Received) | 7/15/2004 | 7/16/2004 | 10 | Escuela superior politécnica del litoral - APESPOL-CISE |
| Problem-based learning | seminar | Competitor (received) | 3/10/2003 | 4/10/2003 | 16 | Escuela superior politécnica del litoral |
| Environmental economics and sustainable development | course | Competitor (Received) | 3/3/2003 | 7/11/2003 | 12 | Universidad de los andes- Facultad de economía |
| Allocation of resources and economic and social evaluation of projects for university professors | course | Competitor (Received) | 6/3/2003 | 7/11/2003 | 135 | Universidad de los andes - Facultad de economía |
| Preparation and formulation of projects | course | Competitor (Received) | 6/3/2003 | 7/11/2003 | twenty-one | Universidad de los andes - Facultad de economía |
| Financial evaluation | course | Competitor (I received bids) | 6/3/2003 | 7/11/2003 | twenty-one | Universidad de los andes- Facultad de economía |
| welfare economics | course | Competitor (Received) | 6/3/2003 | 7/11/2003 | 28 | Universidad de los andes- facultad de economía |
| Economic evaluation | course | Competitor (Received) | 6/3/2003 | 7/11/2003 | 46 | Universidad de los andes- facultad de economía |
| Valuation of non-marketable goods | course | Competitor (Received) | 6/3/2003 | 7/11/2003 | 28 | Universidad de los andes- Facultad de economía |
| Negotiation | course | Competitor (Received) | 6/3/2003 | 7/11/2003 | 8 | Universidad de los andes- Facultad de economía |
| Risks and uncertainty | course | Competitor (Received) | 6/3/2003 | 7/11/2003 | 8 | Universidad de los andes- Facultad de economía |
| Effective Teaching Workshop | workshop | Competitor (Received) | 5/23/2003 | 5/23/2003 | 8 | Escuela superior politécnica del litoral - |

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| Internet application development | course | Competitor (Received) | 4/1/2003 | 5/4/2003 | 32 | Escuela superior politécnica del litoral - PROTCOM |
| Preventive and corrective maintenance of microcomputer as | course | Competitor (received) | 4/1/2003 | 2/4/2003 | 16 | Escuela superior politécnica del litoral - PROTCOM |
| Object-oriented analysis and design | course | Competitor (received) | 3/1/2003 | 3/3/2003 | 12 | Escuela superior politécnica del litoral - PROTCOM |
| IV international forum internet without borders "the age of infinity" | forum | Competitor (received) | 10/16/2002 | 10/17/2002 | 16 | Escuela superior politécnica del litoral |
| espolciencia 2002 - computer science museum | symposium | Presentation | 9/27/2002 | 9/27/2002 | 8 | |
| Marketing and development of massive educational interactive children's CD-MIDI | conference | Presentation | 9/27/2002 | 9/27/2002 | 8 | |
| Bitworld 2002: commercialization and development of interactive multimedia for children's education | congress | Presentation | 6/3/2002 | 5/6/2002 | 24 | |
| Our challenges at the institute of technologies | workshop | Competitor (Received) | 5/15/2002 | 5/15/2002 | 5 | ESPOL |
| Our challenges at the institute of technologies | workshop | Competitor (Received) | 5/15/2002 | 5/15/2002 | 5 | Escuela superior politécnica del litoral - INTEC |
| Advanced programming with s SQL and pl / SQL tool | seminar | Competitor (Received) | 5/1/2002 | 8/5/2002 | 40 | Escuela superior politécnica del litoral - PROTCOM |
| International marketing | course | Competitor (received) | 9/20/2001 | 9/23/2001 | 32 | Escuela de postgrados en administración de empresas |
| Business management | course | Competitor (received) | 8/23/2001 | 8/26/2001 | 32 | Escuela superior politécnica del litoral - ESPAE |

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|--|----------|------------------------|------------|------------|--------|---|
| International project management, spec studies. in management i | course | Competitor (Received) | 5/7/2001 | 7/8/2001 | 32 | Escuela de postgrado en administraci3n de empresas |
| International Studies | course | Competitor (received) | 5/7/2001 | 7/8/2001 | 32 | Escuela de postgrados en administraci3n de empresas |
| Review workshop of the project to reform the statute of ESPOL | workshop | Competitor (received) | 6/6/2001 | 6/8/2001 | twenty | Escuela superior polit3cnica del litoral |
| Technology e - commerce studies esp. in management ii | course | Participant (received) | 5/24/2001 | 5/27/2001 | 32 | Escuela de postgrado en administraci3n de empresas |
| New modalities of relationship between the university and the productive sector: experiences in technology parks and business incubators | seminar | Competitor (Received) | 5/17/2001 | 5/18/2001 | 16 | Escuela superior polit3cnica del litoral |
| strategic integration | course | Competitor (Received) | 4/26/2001 | 4/29/2001 | 32 | Escuela de postgrados en administraci3n de empresas |
| radical strategy | course | Participant (received) | 4/26/2001 | 4/29/2001 | 32 | Escuela de postgrado de administraci3n de empresas |
| Simulation for study benches esp. Finance ii. | course | Competitor (received) | 3/15/2001 | 3/18/2001 | 32 | Escuela de postgrados en administraci3n de empresas |
| Structure of distance courses implemented with technology | seminar | Competitor (received) | 1/15/2001 | 1/19/2001 | 30 | Universidad virtual del tecnol3gico de Monterrey |
| Innovation of education with the use of information technologies | workshop | Competitor (Received) | 11/27/2000 | 11/28/2000 | 16 | ESPOL - CTI |
| Investigation methodology | seminar | Participant (received) | 7/26/1999 | 7/29/2000 | 100 | Instituto de ciencias físicas- ESPOL |
| Project management | seminar | Participant (received) | 7/26/1999 | 7/29/2000 | 100 | Instituto de ciencias físicas- ESPOL |
| Institutional design | seminar | Participant (received) | 7/26/1999 | 6/29/2000 | 100 | Instituto de ciencias |

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| | | | | | | físicas- ESPOL |
| Design, administration and evaluation of projects | professional technical training | Competitor (Received) | 9/23/1999 | 3/25/2000 | 304 | Pontificia universidad católica del Ecuador, ESPOL |
| Economic analysis | seminar | Competitor (received) | 3/22/2000 | 3/25/2000 | 32 | Pontificia universidad católica del Ecuador, ESPOL |
| Financial analysis | seminar | Competitor (received) | 8/3/2000 | 3/11/2000 | 32 | Pontificia universidad católica del Ecuador, ESPOL |
| Advanced negotiation workshop | seminar | Competitor (received) | 2/24/2000 | 2/26/2000 | 24 | Pontificia universidad católica del ecuador, ESPOL |
| Training of facilitators for projects | seminar | Competitor (received) | 2/10/2000 | 2/12/2000 | 24 | Pontificia universidad católica del Ecuador, ESPOL |
| Small projects and micro-enterprises | seminar | Competitor (received) | 1/27/2000 | 1/29/2000 | 24 | Pontificia universidad católica del ecuador, ESPOL |
| Basic negotiation workshop | seminar | Competitor (Received) | 1/13/2000 | 1/15/2000 | 24 | Pontificia universidad católica del Ecuador, ESPOL |
| Environmental analysis of projects | seminar | Competitor (received) | 12/27/1999 | 12/29/1999 | 24 | Pontificia universidad católica del Ecuador, ESPOL |
| Monitoring and evaluation of projects | seminar | Competitor (received) | 12/17/1999 | 12/18/1999 | 24 | Pontificia universidad católica del Ecuador, ESPOL |
| Projects management | seminar | Competitor (received) | 11/24/1999 | 11/27/1999 | 32 | Pontificia universidad católica del Ecuador, ESPOL |
| Gender analysis for projects | seminar | Participant (received) | 11/12/1999 | 11/13/1999 | 16 | Pontificia universidad católica del Ecuador, ESPOL |

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|--|---------|------------------------|------------|------------|-----|--|
| Institutional and organization analysis | seminar | Participant (received) | 10/13/1999 | 10/16/1999 | 32 | Pontificia universidad católica del Ecuador, ESPOL |
| Logical framework for the design and conceptualization of projects | seminar | Participant(received) | 9/23/1999 | 9/25/1999 | 24 | Pontificia universidad católica del Ecuador, ESPOL |
| Human Resources Culture | course | Participant (received) | 7/23/1998 | 7/26/1998 | 32 | Escuela superior politécnica del litoral - ESPAE |
| Process analysis and optimization | course | Participant (received) | 6/11/1998 | 6/14/1998 | 32 | Escuela superior politécnica del litoral - ESPAE |
| microcomputer support analyst | others | Participant (received) | 7/10/1987 | 7/10/1987 | 8 | Sheridan college |
| Total quality | course | Competitor (received) | 4/18/2006 | | 32 | Escuela superior politécnica del litoral - ESPAE |
| Operations research | course | Competitor (received) | 4/18/2006 | | 32 | Escuela superior politécnica del litoral - ESPAE |
| Statistical tools for quality improvement | course | Competitor (received) | 4/18/2006 | | 32 | Escuela superior politécnica del litoral - ESPAE |
| Jury member of the pre-selection contest winner Ecuador | seminar | attendance | 2/10/2006 | | 12 | |
| Forty-ninth anniversary of ESPOL | seminar | Instructor (taught) | 9/12/2007 | | two | |

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| Espolciencia 2007 - 2nd. place: teaching methodologies for early childhood education supported by the use of technological tools - presentation mod | congress | presentation | 11/26/2007 | | 5 | |
| Construction of projects: "research methodology" | workshop | Instructor (taught) | 5/12/2017 | | 4 | |
| Workshop for editors and reviewers of science and technology journals published in open format | workshop | Participant (received) | 11/14/2019 | | 5 | Universidad central del Ecuador |

6. EXPERIENCE IN PROJECTS

| PROJECT NAME | INSTITUTION | SINCE | UNTIL | COUNTRY |
|--|---|------------|------------|---------|
| MIDI-MUSICAL: Evaluation of usability and production of platforms and applications Mobile phones using gamification to teach musical initiation in children from 2 to 3 and 4 to 7 years old. | ESPOL (CIDIS/FADOM/FIEC), Vicente Rocafuerte Higher Technological Institute, Private Polytechnic Educational Unit (COPOL) | 05/27/2022 | 05/27/2024 | Ecuador |
| MIDI- Parvulos : Use of technological tools as a pedagogical strategy to facilitate teaching-learning in comprehensive child development centres | ESPOL (FADCOM/FCSH/CIDIS), Child Development Centers (MIES), Growing With Our Children (MIES), Vicente Rocafuerte Higher Technological Institute | 06/17/2021 | 12/31/2023 | Ecuador |

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| Loly -MIDI inclusive- Quevedo | Center for Research, Development and Innovation of Computational Systems - (CIDIS), Faculty of Art, Design and Audiovisual Communication, Ecuadorian Federation of the Autistic Spectrum, Decentralized Autonomous Government (GAD) Municipality of Quevedo | 6/01/2020 | 03/31/2023 | Ecuador |
| Design and implementation of an intelligent robot with the ability to carry out human-robot social interactions (HRI) in natural environments | Center for research, development and innovation of computer systems- (CIDIS), Faculty of art, design and audiovisual communication | 07/01/2019 | 07/01/2021 | Ecuador |
| MIDI-AM 2.0: evaluation and production of educational games linked to control platforms for analysis of usability and preference of content and graphic lines that impact the creation and use of the MIDI-AM series as support for regular or inclusive education. | Center for research, development and innovation of computer systems - (CIDIS), Faculty of Art, Design and Audiovisual Communication, Faculty of Life Sciences, Faculty of Electrical and Computer Engineering - (FIEC), Ecuadorian Federation of Autism Spectrum Syndrome (FEDEA), Orange Smile Foundation, Fermín Vera Rojas Educational Unit, Specialized Fiscal Educational Unit (UEFE) December 3, Holy Family of Nazareth Educational Unit | 05-31-2019 | 01/31/2022 | Ecuador |
| Usability of playful MIDI games adapted in mobile applications for children of the millennium (MIDI-am)-exploratory study focused on pre-school and first-year children- | Information Technology Center - (CTI), Faculty of Art, Design and Audiovisual Communication, Faculty of Electrical and Computer Engineering - (FIEC), Ministry of Education | 2/05/2018 | 05/31/2019 | Ecuador |
| Polytechnic extension at the national level pilot plan PROTCOM extension Samborondón | ESPOL - EDCOM | 04/19/2017 | | Ecuador |
| Analysis, diagnosis and general design for the implementation of an ISO 9002 quality system. | FUNASA | 03/22/2017 | | Ecuador |

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| E- academic branding applied to higher education | Faculty of Art, Design and Audiovisual Communication, Polytechnic University of Valencia | 7/03/2016 | 11/29/2019 | Spain |
| Creation of scientific and technical texts in the system, ik tex using winedt | CICYT | 04/19/2015 | | Ecuador |
| Factors influencing successful information systems adoption in public organizations of Latin America: the case for Ecuador | Faculty of Art, Design and Audiovisual Communication, Griffith college | 2/01/2013 | 12/31/2016 | Australia |
| The direction of the feasibility study agreement and expertise of current systems and proposed alternatives for the Ecuadorian customs corporation | ESPOL - EDCOM | 04/19/2010 | | Ecuador |
| Teaching methodology for early childhood education supported by the use of interactive technological tools in poster mode | ESPOL - EDCOM | 11/14/2007 | | Ecuador |
| Teaching methodologies for early childhood education. supported by the use of interactive technological tools in presentation mode | ESPOL - EDCOM | 11/14/2007 | | Ecuador |
| II national congress of research, technology and innovation & Espolciencia conference 2006 | ESPOL - CICYT - SENACYT | 11/14/2006 | 11/15/2006 | Ecuador |
| Development and presentation of the prototype "interactive multimedia as a complementary tool for computing in schools" | EDCOM - CYCIT | 03/01/2006 | 11/30/2006 | Ecuador |
| Computer museum creation | ESPOL - EDCOM | 01/01/2002 | | Ecuador |
| Seed project of educational interactive multimedia research and development -MIDI (qualified research council CYCIT 08/25/2004) | EDCOM - CYCIT - ESPOL | 11/1/2001 | 11/1/2003 | Ecuador |
| Development and marketing of interactive educational multimedia for children | ESPOL - CYCIT - DICAMCORP | 01/10/2001 | 12/31/2001 | Ecuador |

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| Seed project of educational interactive multimedia research and development for early childhood education - MIDI (qualified by the CICYT/ESPOL research council) | Faculty of Art, Design and Audiovisual Communication, Tía Lupita Kindergarten, Los Delfines Educational High School, NEC Educational Unit | 01/10/2001 | 12/31/2001 | Ecuador |
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7. HONORABLE MENTIONS

| PROJECT | INSTITUTION | DATE | COUNTRY |
|--|---|------|----------------|
| Honorary Doctorate | International Organization for Educational Inclusion and Quality OIICE | 2021 | Peru |
| Educational Excellence Award | International Organization for Educational Inclusion and Quality OIICE | 2021 | Peru |
| Order of Educational and Cultural Merit Magnus Docents | International Organization for Educational Inclusion and Quality OIICE | 2021 | Peru |
| Games-Social Robot to support inclusive education, Autistic children | ASEFIE: Recognition for Independent Research | 2021 | Ecuador |
| Games-Social Robot to support inclusive education, Autistic children | Inter-American Development Bank- Play Challenge - Fourth place, awarded to the one with the greatest impact on challenges of inclusion in education - Most Creative Solution Award - People Choice Award (Vote People) | 2020 | world |
| Projects to support children's education through MIDI and MIDI-AM educational digital applications | UNESCO nomination | 2019 | Japan |
| Best presentation - Best Presentation Award | 7th International Conference on Software and Information Engineering (ICSIE 2018) | 2018 | Egypt |
| Distinction for polytechnic merit | ESPOL- FADCOM | 2016 | Ecuador |
| Academic excellence | Griffith University | 2013 | Australia |
| Scholarship for doctoral studies | SENESCYT | 2006 | Ecuador |
| Polytechnic Merit Honor | ESPOL | 2006 | Ecuador |
| Diploma best student promotion in Master of Business Administration (MBA) | UQAM - ESPOL | 2005 | Canada-Ecuador |
| Medal of honour and best student diploma Master in Administration Quality Systems | ESPOL - University of Monterrey | 2000 | Ecuador-Mexico |

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|---|-----------------------------|-----------------|---------|
| Diploma of Honor for Teaching Merit | ESPOL | various periods | Ecuador |
| Recognition qualifications High Distinction | Sheridan College | 1987 | Canada |
| Scholarship awarded by merit competition | World Bank International | 1986 | Canada |
| National Pavilion and best bachelor | Portoviejo National College | 1981 | Ecuador |

8. PUBLICATIONS MADE

| PUBLICATION | TYPE | YEAR | PARTICIPATION TYPE |
|--|---|------|--------------------|
| Evaluation of Educational Digital Games as a Teaching Support Tool in the Academic Virtuality | Scientific Article and Conference (oral presentation) | 2022 | Author |
| Technologies in Inclusive Education for Children with Autism Spectrum Disorder: experiences of use in developing economies | Conference (oral presentation) | 2022 | Author |
| Teaching domain of ICT in education 4.0 for child virtual environments | Conference (oral presentation) | 2022 | Author |
| MIDI-AM, Serious Children's Games as Support Tools in Educational Virtuality for Marginal Areas of High Vulnerability | Scientific Article and Conference (oral presentation) | 2022 | Author |
| Natural language to facilitate statistical evaluation analysis of educational digital games | Scientific article and conference (oral presentation) | 2021 | Author |
| Usability Of Educational Video Games As A Teacher's Tool In Virtuality-A Model Of Education | Scientific article and conference (oral presentation) | 2021 | Author |
| Visual metrics for educational videogames linked to social assistance robots in an inclusive education framework | Scientific article and conference (oral presentation) | 2021 | Author |

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|--|---|------|--------|
| The usability of MIDI-AM video games in virtual learning as a digital pedagogical tool in economies emerging | Scientific Article and Conference (oral presentation) | 2021 | Author |
| Refined metric interpretation in natural language for educational videogames using fuzzy logic | Article Scientific | 2021 | Author |
| Evaluations of software developed as research tools to analyze trends of an educational nature in video games | Article Scientific | 2021 | Author |
| The Covid Pandemic And Migrants: A Ten-Point Agenda To Mitigate The Ongoing Disaster | Article Scientific | 2021 | Author |
| Statistical representations of a board to monitor educational videogames in natural language - MIDI Board in LN | Article-scientist and seminar-congress | 2020 | Author |
| Structure and layout with adaptive design for websites on Autism | Scientific article | 2020 | Author |
| Design of Usability Metrics and Behavior Analysis of a Human-Robot-Game Platform | Scientific Article and Conference (oral presentation) | 2020 | Author |
| Impact of aesthetic aspects in indexed journals: the comparative case between disciplines of science and engineering vs art and visual communication | Seminar-congress | 2019 | Author |
| Evolution of video games and their graphic line, an approach between aesthetics and technology | Scientific article | 2019 | Author |
| Adoption of children's educational video games, monitored with dashboards in the cloud | Article-scientist and seminar-congress | 2019 | Author |
| Mobile applications for the development of basic skills of children in the first year of basic general education | broadcast article | 2019 | Author |
| Monographic: "Digital production and audiovisual art" | editorial article | 2019 | Author |
| Development of a dashboard to monitor the usability of educational game applications for children | Article-scientist and seminar-congress | 2019 | Author |
| Applying QCA with fuzzy logic to generate a refined set of factors for the adoption of information systems: the case of the Ecuadorian public organization, an example of its adoption in emerging economies | scientific article | 2019 | Author |
| Use of fuzzy logic in QCA for the selection of relevant adoption drivers in emerging economies - conference | Article-scientist and seminar-congress | 2018 | Author |

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| Effectiveness of the use of pluralistic methodologies in studies of the adoption of technologies and information systems: Ecuador cases | Seminar-congress | 2018 | Author |
| Understanding the subjective aspects in the use of the human-computer interface for government information systems: a reflexive analysis | Article-scientist and seminar-congress | 2017 | Author |
| Fuzzy QCA applicability for a refined selection of factors affecting its adoption: the case of Ecuador | Scientific article | 2017 | Author |
| Evaluation of theories and drivers of adoption of information systems in government organizations using a systematic literature review process | Book | 2017 | Author |
| Fuzzy QCA applicability for a refined selection of factors affecting its adoption: the case of Ecuador | Seminar-congress | 2017 | Author |
| Factors that influence the successful adoption of information systems in public organizations in Latin America: the case of Ecuador | doctoral thesis | 2016 | Author |
| A pluralistic methodology for a refined selection of drivers that influence the adoption of information systems in public organizations: the case of Ecuador | Scientific article | 2016 | Author |
| Fuzzy QCA applicability for a refined selection of factors affecting adoption: the case of Ecuador". Article and conference. 3rd Latin American Congress of Computational Intelligence | Scientific article | 2016 | Author |
| Book chapter: theories and drivers of the adoption of information systems: analyzing its applicability in local government organizations. the case of Ecuador book chapter | Chapter of the book | 2016 | co-author |
| The proposed SISA model for LAT contexts | Trial | 2016 | Author |
| A pluralistic methodology for a refined selection of drivers that influence the adoption of information systems in public organizations: the case of Ecuador | Article-scientist and seminar-congress | 2016 | Author |
| Effectiveness of the use of the pluralistic methodology in the information system | Scientific article | 2014 | Author |
| Efficacy of the use of the pluralistic methodology in the position paper of the studies on the adoption of information systems: it is a qualitative-quantitative method | Scientific article | 2014 | Author |
| Efficacy of the use of the pluralistic methodology in information system adoption studies | Seminar-congress | 2014 | Author |
| The new higher education law (LOES) | opinion piece | 2011 | Author |
| leading women | opinion piece | 2010 | Author |

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|---|--------------------|------|--------|
| Mental maps applied to entrepreneurship education | Seminar-congress | 2009 | Author |
| Developing mind maps | Seminar-congress | 2009 | Author |
| Teaching methodologies for early childhood education supported by the use of interactive technological tools | Seminar-congress | 2007 | Author |
| Interactive multimedia as a complementary tool for computing in schools | Seminar-congress | 2006 | Author |
| Multimedia for children (qualified by the CYCIT research council) | Scientific article | 2004 | Author |
| A new way of learning by playing using technology (qualified by the CYCIT research council) | Scientific article | 2004 | Author |
| Research and documentation techniques for information systems - 1st edition | Book | 2003 | Author |
| Development of interactive multimedia education for children - teaching methodologies for early childhood education supported by the use of interactive technological tools | Seminar-congress | 2002 | Author |
| Marketing and development of educational interactive multimedia for children | Seminar-congress | 2002 | Author |
| CD-MIDI: marketing and development of educational interactive multimedia for children | Seminar-congress | 2002 | Author |
| Marketing and development of interactive educational multimedia for children CD-MIDI (qualified by the CYCIT research council) | broadcast article | 2002 | Author |
| Analysis, diagnosis and general design for the implementation of a quality system under ISO 9002 standards at FUNASA | master's thesis | 1999 | Author |

9. EVALUATIONS

| TYPE | EVALUATION DATE | DATE FROM | DATE UNTIL |
|--------------------------|-----------------|------------|------------|
| Comprehensive Evaluation | 2022-02-27 | 2022-02-28 | 2022-02-27 |
| Comprehensive Evaluation | 2021-02-27 | 2021-02-14 | 2021-02-27 |
| Comprehensive Evaluation | 2020-05-30 | 2020-05-04 | 2020-05-30 |
| Comprehensive Evaluation | 2019-02-27 | 2018-02-27 | 2019-02-27 |
| Comprehensive Evaluation | 2018-02-28 | 2017-03-01 | 2018-02-28 |
| Comprehensive Evaluation | 2017-02-28 | 2016-03-01 | 2017-02-28 |
| Comprehensive Evaluation | 2016-02-28 | 2015-03-01 | 2016-02-28 |