

## CURRICULUM VITAE IN EXTENSO

### I. PERSONAL DATA

**Name:** Christian Jonathan Angel Rueda

**Date of birth:** 1 June 1983

**Place of Birth:** Querétaro, Qro. Mexico

**Nationality:** Mexican

**RFC:** AERC830601GX1

**CURP:** AERC830601HQTNDH05

**Professional Licence Bachelor's Degree:** 6556887

**Professional Licence Master's degree:** 7822213

**Professional Licence Speciality:** 11993311

**Professional Licence Doctorate:** 11601228

**SNI:** National system of researchers MX (SIN)  
appointment: Candidate

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### II. STUDIES

- A) Doctor in Educational Technology  
Thesis Protocol: Design of a Didactic Model to introduce teachers to the use of Virtual Worlds (VM) for educational purposes.  
Autonomous University of Querétaro 2014 to 2018  
Honourable mention.  
Date of graduation: 6 December 2018
- B) Master in Management and Consultancy  
Thesis: Case study: ACIR Group Development of a web strategy.  
Marist University of Querétaro  
Date of graduation: 15 June 2012

- C) Specialisation in Educational Research  
Dissertation: Three-Dimensional Immersive Digital Environments (TDIE) as factors in the relationship between Virtual Reality (VR), Augmented Reality (AR) and Virtual Worlds (VM) in the teaching process.  
CIIDET - Interdisciplinary Centre for Research and Teaching in Technical Education 2016-2017 - Honourable Mention.  
Date of degree award: 22 June 2018
- D) Degree in Design and Visual Communication  
Thesis: Promotional video of the Universidad Marista de Querétaro  
Marist University of Querétaro  
Date of graduation: 30 September 2009.

### **III. WORK EXPERIENCE**

- A) Position: Teacher  
Activity performed: Teacher of the subject: Specialised elective Virtual Reality.  
Venue: Autonomous University of Querétaro  
Degree in Digital Animation and Interactive Media. Faculty of Engineering  
Date of entry: July 2022 - Presented
- B) Position: Teacher  
Activity performed: Teacher of the subject: Elective Portfolio  
Venue: Universidad Autónoma de Querétaro  
Degree in Digital Animation and Interactive Media. Faculty of Engineering  
Date of entry: January 2022 - Presented
- C) Position: Teacher  
Activity performed: Teacher of the subject: Elective course: New Educational Technological Scenarios; "Three-dimensional Immersive Digital Environments (EDIT)".  
Venue: Autonomous University of Querétaro  
PhD in Innovation in Educational Technology. Faculty of Computer Science  
Entry date: January 2022 - June 2022
- D) Position: Teacher  
Activity performed: Teacher of the subject: Digital-virtual environments in education.  
Venue: Marist University of Querétaro  
Humanistic Doctorate in Education, Digitality and Foresight

Date of entry: May 2022 - Submitted

E) Position: Teacher

Activity performed: Teacher of the subject: Educational Management in Digitality.

Venue: Marist University of Querétaro

Humanistic Doctorate in Education, Digitality and Foresight

Date of entry: January 2022 - Presented

F) Position: Teacher

Occupation: Teacher of the subject: Elective - Educational Technology

Venue: Autonomous University of Querétaro

Master's Degree in Science Didactics - Faculty of Engineering

Date of entry: January 2021 - Presented

G) Position: Teacher

Activity performed: Teacher of the subject: Aesthetics

Venue: Autonomous University of Querétaro

Degree in Digital Animation and Interactive Media. Faculty of Engineering

Date of entry: January 2021 - Presented

H) Position: Teacher

Activity performed: Teacher of the subject: Legal Aspects of Professional Practice.

Venue: Autonomous University of Querétaro

Degree in Digital Animation and Interactive Media. Faculty of Engineering

Entry date: January 2020 - Submitted

I) Position: Teacher

Activity performed: Teacher of the subject: Fundamentals of Design.

Venue: Autonomous University of Querétaro

Degree in Digital Animation and Interactive Media. Faculty of Engineering

Entry date: July 2019 - Submitted

J) Position: Teacher

Activity performed: Teacher of the subject: Qualitative Research.

Venue: Atenas Estudios Superiores-

Master's degree in education

Entry date: March 2019 - February 2020

K) Position: Teacher

Activity performed: Teacher of the subject Degree Seminar 1

Venue: Atenas Estudios Superiores-

Bachelor and TSU in Childcare and Early Childhood Education with Administration

Entry date: March 2019 - February 2020

L) Position: Teacher

Activity performed: Teacher of the subject Degree seminar 1

Venue: Atenas Estudios Superiores-

Bachelor's Degree in Pedagogy

Entry date: March 2019 - February 2020

M) Position: Teacher

Activity performed: Teacher of the subject Gestión Directiva de Instituciones Educativas.

Venue: Marist University of Querétaro

Master's Degree in Teaching and Educational Management

Entry date: February 2019 - February 2020

N) Position: Teacher

Activity performed: Teacher of the subject Advertising

Venue: Atenas Estudios Superiores-

Bachelor's Degree in Management and Marketing

Entry date: October 2018 - February 2019

O) Position: ICT Consultant for the Director Dr. Teresa Guzmán Flores

Activity performed: ICT consultancy and the development of integrating the application submitted by the Faculty of Computer Science for the PNPCC to the Doctorate in Educational Technology programme.

Venue: Universidad Autónoma de Querétaro - Dirección de Innovación y Information Technology

Date of entry: November 2013 - September 2014.

P) Position: Assistant Teacher

Activity performed: Assistant lecturer in the Master's degree in Administration and Consultancy

Venue: Marist University of Querétaro

Date of entry: September 2012 - May 2013.

Q) Position: Teacher

Activity performed: Teacher of the subject Multimedia applied to the web, in Web Design Specialty

Venue: Universidad Autónoma de Querétaro - Faculty of Fine Arts - Speciality in Web Design

Date of entry: January 2013 - May 2015.

R) Position: Teacher

Activity performed: Teacher of the subject Social Impact of Virtual Communication, specialising in Web Design.

Venue: Universidad Autónoma de Querétaro - Faculty of Fine Arts -

Speciality in Web Design

Date of entry: August 2013 - December 2013.

S) Position: Substitute Teacher

Activity performed: Substitute teacher of Graphic Production.

Digital 3D

Place: Universidad Autónoma de Querétaro - Faculty of Fine Arts. Entry date:

September 2013 - October 2013.

T) Position: Regional Web Manager.

Activity performed: Regional Web Analyst (Querétaro, Acapulco,

Mazatlán, Leon.) Web master, Community Manager. Place: Grupo Acir

Date of entry: March 2010 - October 2013

U) Position: Design - Branding - Social Branding - Social Media Marketing Activity performed: Designer and Digital Strategy.

Place: Eco Onis

Date of entry: February 2007 - Present.

#### **IV. RESEARCH WORK**

##### **A) THESIS**

1. **Bachelor's degree.** Promotional video of the Marist University of Querétaro, Universidad Marista de Querétaro, September 2009.
2. **Speciality.** Three-Dimensional Immersive Digital Environments (EDIT) as factors in the relationship between Virtual Reality (VR), Augmented Reality (AR) and Virtual Worlds (VM) in the teaching process. CIIDET, June 2018.
3. **Master's degree.** Case study: Grupo ACIR Development of a Web strategy. Marist University of Querétaro, June 2012.
4. **Doctorate.** Didactic Model to introduce teachers to the use of Virtual Worlds (VM) for educational purposes. Universidad Autónoma de Querétaro December 2018

## **V. PARTICIPATION IN ACADEMIC ACTIVITIES.**

### **A) CONFERENCES**

1. Speaker at the 5th Techno Innova Congress at the Tecnológico de Monterrey Querétaro Campus 2011 - 13 October 2011. Lecture: "Information Technologies".
2. Paper at the National Meeting on Visual Studies and Digital Culture. Querétaro Bellas Artes Centro. 2013 - 10 April 2013 Presentation Roundtable: "Reflection of digital culture and social networks; Strategy of convergence of digital media".
3. Presentation at the XVI International Virtual Educa Meeting, 23 June 2015 in Guadalajara, Jalisco State, Mexico. Title of the paper: "Virtual worlds, experiences of their application in higher education".
4. Presentation at the 1st Ibero-American Meeting on Learning in Virtual Worlds, 09 December 2015. Title of the paper: "Proposal of the need for a Didactic Model to introduce teachers to the use of Virtual Worlds".
5. Presentation at the CIIDET Congress, 25 November 2016. Title of the paper: "Proposal for a teacher training course in virtual worlds (vm) for educational purposes".
6. Lecture at the Congress: The challenges of education in Mexico. Knowledge Management and Educational Institutions 2017, 28 April 2017. Title of the paper: "Experience of the development of a portal for the dissemination of education: Edutrín case".
7. Presentation at the V Ibero-American Meeting on innovation, research and good educational practices, 12 September 2018. Title of the paper: "Samples of Good Educational Practices. SEDEI and EDUTRIN projects".

### **B) Indexed articles**

1. Ángel Rueda, C. J., Valdés Godínes, J. C., & Guzmán Flores, T. (2017). Limits, challenges and opportunities for teaching in virtual worlds. *Innovación educativa (Mexico, DF)*, 17(75), 149-168.
2. Ángel Rueda, C. J., Valdés Godínes, J. C., & Rudman, P. D. (2018). Categorizing the educational affordances of 3-dimensional immersive digital environments. *Journal of Information Technology Education: Innovations in Practice*, 17, 83-112. <https://doi.org/10.28945/4056>

### **C) Articles of Congress**

- a. Angel Rueda, C., Morales Ramos, L., Guzmán Flores, T., & Valdes Godines, J. (2015). Virtual worlds, experiences of their application in higher education. *Virtual Educa*.

- b. Angel, R., & Carlos, V. G. J. (2015). The need for a Didactic Model to introduce teachers to the use of Virtual Worlds.
- c. Angel Rueda, C. J., & Valdés Godínes, J. C. (2016). Proposal for a teacher training course in virtual worlds (VW) for educational purposes [Propuesta de curso de formación docente en mundos virtuales (MV) con fines educativos]. CIIDET 2016 (21-28). Retrieved from <http://www.ciidet.edu.mx/ciidet/?r=paginas/ver&pagina=memorias-digitales-del-congreso-ciidet-2016>.
- d. Rueda, M. C. J. Á., & Trejo, J. L. (2017). Experience of the development of a portal for the dissemination of education: Edutrín case. Congress: The challenges of education in Mexico. Knowledge Management and Educational Institutions.
- e. Angel Rueda, C. J., & Valdés Godínes, J. C. (2019). Culture and education for peace in times of 3-Dimensional Immersive Digital Environments (3D-IDEs) *Journal of Virtual Studies* 10 (1), 47-54.
- f. Trejo, J. L., & Rueda, C. J. Á. (2019). Prospective ethics: towards immersive models in virtually imaginary worlds. In *Edutechnology and Learning 4.0* (pp. 194-205). SOMECE. [https://play.google.com/books/reader?id=\\_9PBDwAAQBAJ&hl=es&lr=&printsec=frontcover](https://play.google.com/books/reader?id=_9PBDwAAQBAJ&hl=es&lr=&printsec=frontcover)
- g. Angel Rueda, C. J.(2020) Proposal to teach in VR Through the macro concept of three- dimensional immersive digital environments. The 2nd annual conference of the virtual society バーチャル学会 2020 Japan.
- h. Trejo, J. L., & Rueda, C. J. Á. (2021). Transdisciplinary model in hybrid education. In *Transformación digital educativa* (pp. 194-205). SOMECE. <https://play.google.com/books/reader?id=hZVfEAAAQBAJ&printsec=frontcover>.
- i. Angel Rueda, C. J.(2021) Project V-Seed: "Scientific Revolutions" Open-narrative-recreational academic activity in a metaverse. The 3rd annual conference of the virtual society バーチャル学会 2021 Japan.
- j. Lopez Solorzano & Angel Rueda (2022) Motivation level of introductory programming students prior to the use of virtual worlds. CIIEFN 2022

**E) Book chapters:**

Rueda, C. J. A. (2019). Three-dimensional immersive digital space and its relation to education. In *Ciudadanía Digital. Identities, educational processes and alternative ways of being digital* (pp. 162-178). Council of Science and Technology of the State of Querétaro. <http://www.concyteq.edu.mx/concyteq/uploads/publicacionArchivo/2019-11-2192.pdf>

Trejo, J. L., & Rueda, C. J. Á. (2019). Prospective ethics: towards immersive models in virtually imaginary worlds. In *Edutechnology and Learning 4.0* (pp. 514-523). SOMECE. [https://play.google.com/books/reader?id=\\_9PBDwAAQBAJ&hl=es&lr=&printsec=frontcover](https://play.google.com/books/reader?id=_9PBDwAAQBAJ&hl=es&lr=&printsec=frontcover)

Trejo, J. L., & Rueda, C. J. Á. (2021). Educational model that generates compatibility between systems. In *Transformación digital educativa* (pp. 194-205). SOMECE [Transformación digital educativa, by Josefina Bárcenas López & Enrique Ruiz-Velasco Sánchez - Books on Google Play](https://play.google.com/books/reader?id=_9PBDwAAQBAJ&hl=es&lr=&printsec=frontcover)

Rueda, C. J. A. (2022). Lights and shadows of cybernaut behaviour in three-dimensional immersive digital environments. In *Éticas educativas para navegar entre lo real-virtual*. Consejo de Ciencia y Tecnología del Estado de Querétaro.

<http://www.concyteq.edu.mx/concyteq/uploads/publicacionArchivo/%C3%89ticas%20educativas%20para%20navegar%20entre%20lo%20real-virtual.pdf>

**F) Book:**

- Godínes, J. C. V., Rudman, P. D., & Rueda, C. J. A. (2021). Meaningful learning through three-dimensional immersive digital environments (EDIT). Fondo Editorial Universitario.
- Landaverde, Angel, Hurtado (2022) *Éticas educativas para navegar entre lo real-virtual*. Council of Science and Technology of the State of Querétaro.

**G) Technology projects:**

Authoring project (2022 February) - Author of the educational platform "The History of Robotics", which is used in the Science Pendulum Museum. The purpose of the platform is to be an environment for the dissemination of scientific concepts to the general public in a totally playful environment. Project for : CONCYTEQ

**H) Reviewer:**

- Reviewer for the 2021 IEEE International Conference on Advanced Learning Technologies (ICALT), Track 13: Motivational and Affective Aspects in Technology Enhanced Learning. Master's Degree
- Reviewer for the 2022 IEEE International Conference on Advanced Learning Technologies (ICALT), Track 13: Motivational and Affective Aspects in Technology-Enhanced Learning, which will take place on July 1st-4th in Bucharest Romani



**I) Direction of completed theses:**

- Rolando Rodriguez Vazquez (2019) Design of a multimedia resource through an application on a mobile device, to arouse academic interest in high school students, case study of Module V "Administra Redes LAN" in the CETIS No. 164. Master in Innovation of Virtual Learning Environments UAQ Faculty of Informatics
- Sara Irish Hernández Ham (2020) The use of virtual worlds in the teaching practice of English language teaching. Case study UAQ, FIF Maestría en Innovación de Entornos Virtuales de Enseñanza Aprendizaje. UAQ Faculty of Computer Science

**J) Courses received:**

- a. Course called "Intellectual Protection in my Profession" held on 3 and 10 June 2022  
8 hours.
- b. Course "Computer security in education", corresponding to the Information and Communication Technologies applied to Learning, of the Institutional Teacher Training Programme, which was held from 17 May to 31 May 2022, in the SUPAUAQ facilities, endorsed by the Academic Development Directorate, with a duration of 25 hours.
- c. Course "Didactic strategies for virtual teaching and evaluation (ICT applied to learning)", corresponding to the Pedagogical Didactic section of the Institutional Teacher Training Programme, which was held from 16 August to 20 August 2021.
- d. Course "Introduction to the Culture of Peace and Gender Perspective", corresponding to the Institutional Induction, of the Institutional Programme for Teacher Training, which was held from 6 July to 10 July 2020, in the facilities of the Faculty of Engineering, endorsed by the Directorate of Academic Development, with a duration of 25 hours.
- e. Course "Aula Invertida (Flipped Classroom)", corresponding to the Information and Communication Technologies applied to Learning, of the Institutional Programme for Teacher Training, which took place from 22 June to 24 July 2020, in the SUPAUAQ facilities, Virtual Platform, endorsed by the Directorate of Academic Development, with a duration of 40 hours.
- f. Course "Didactic Tools and Efficient Use of the Virtual Campus - (ICT)", corresponding to the Didactic Pedagogical Item, of the Institutional Programme for Teacher Training, which was held from 29 June to 3 July 2020, in the facilities of the

Faculty of Engineering, Virtual Campus, endorsed by the Directorate of Academic Development, with a duration of 25 hours.

- g. Course "Web Conferences: Alternatives for Face-to-Face Classes - Didactic Pedagogical", corresponding to the Information and Communication Technologies applied to Learning, of the Institutional Programme for Teacher Training, which was held from 25 May to 12 June 2020, in the facilities of the Virtual Campus, C.U., endorsed by the Directorate of Academic Development, with a duration of 25 hours.
- h. Course "Gender in Higher Education Institutions", corresponding to the Project Development section of the Institutional Programme for Teacher Training, which was held from 9 December to 12 December 2019, at the Faculty of Engineering facilities, endorsed by the Directorate of Academic Development, with a duration of 25 hours.
- i. Participation in the course "Digital experiences of playful learning in current education, towards a prospective education". From 18 to 22 March 2019 with a duration of 30 hrs. Based at CIIDET.
- j. Participation in the CONRICYT training days from 12 to 15 April 2016 by the Consortium of Scientific and Technological Information Resources and the Autonomous University of Querétaro.
- k. Authors Seminar: "How to write a research paper and how to get it accepted in a scientific journal" Elsevier 2013 Mexico - Querétaro - Universidad Autónoma de Querétaro
- l. Diploma in Teacher Training Response to the Needs of Today's Teachers. - Autonomous University of Querétaro - April 2013.
- m. Diploma course "The competency-based model changes in didactics" The Academic Secretary through the Academic Development Department. Autonomous University of Queretaro. Which was held from April 11 to June 7, 2013. Duration of 80 hrs.
- n. Diploma "The use of ICT in educational practice" The Academic Secretary through the Academic Development Department. Autonomous University of Querétaro. Which was held from May 9 to June 27, 2013. Duration of 80 hrs.
- o. Diploma course "Tutoring as a tool for teachers" The Academic Secretary's Office through the Academic Development Department. Autonomous University of Queretaro. Which was held from December 02 to December 13, 2013. Duration of 80 hrs.

- p. Administration Design Certificate. Obtaining the Administration Design Certificate - Despacho Nuestro - given by: LDG. Luis Nuñez Salinas - 60 hrs. - February 2007 H. E- Planning Certificate - Certificate concerning the use of Ad Server tools. Online Marketing Tools. Buenos Aires Argentina December 30, 2011

**K) Courses as a speaker:**

- a. Speaker in the course: Video editing, given by the Directorate of Innovation and Information Technologies. Held from 06 to 07 October 2014 with a duration of 25 hours.
- b. To teach the course "Introduction to the use of virtual worlds for educational purposes" in blended learning mode from 18 April to 03 June 2016. In the Bachelor's Degree in Higher Secondary Education. Marist University of Querétaro.
- c. To teach the course "Introduction to the use of virtual worlds for educational purposes" in blended learning mode from 18 April to 03 June 2016. In the virtual learning space Universidad Marista Multimodal. Marist University of Querétaro.
- d. To teach the course "Introduction to the use of virtual worlds for educational purposes" in blended learning mode from 29 April to 10 June 2016.  
At the Faculty of Computer Science. Autonomous University of Querétaro.
- e. Workshop Instructor: "MEANINGFUL LEARNING IN ENVIRONMENTS
- f. Three-dimensional digital immaterials", in the framework of the international congress of research, development and innovation in technological education 2021, held from 24 to 26 November 2021, with a duration of 20 hours, in virtual mode.
- g. Seminar (2020): Towards a digital pedagogy - Reflections on the teaching-learning process mediated by digital technologies. CIIDET - UAQ FI
- h. Seminar (2021): Towards a digital pedagogy - Reflections on the teaching-learning process mediated by digital technologies. CIIDET UAQ FI
- i. Towards a digital pedagogy of teaching practice (2022) General Coordination @prende.mx SEP

**L) National and International Conferences:**

- 1. Lecturer in the framework of the Internet and digital culture week 20 May 2016. Lecture: "The potential of virtual worlds on the internet" CECEQ - Educational Centre of the State of Querétaro. Secretary of Education Folio: 0030 20/MAY/2016  
Conference at TEDx UAQ - Theme: University, ideas for development from the local level. With the presentation: The educational possibilities of

Three-Dimensional Immersive Digital Environments  
(EDIT) (VR, AR, MV). November 8, 2018

Invited speaker with the topic: Meaningful learning through EDIT (Three-dimensional Immersive Digital Environments) in the framework of the IV International Congress of Digital Design and Multimedia D+E+T Realized Virtually, on November 12, 2021. Bogotá Colombia.

4.- Conference "Three-dimensional immersive digital environments in the 21st century", on the occasion of the anniversary activities of the Technological Institute of Chilpancingo. 2020 October 2nd

5.- Keynote lecture "Three-dimensional immersive digital environments (EDIT); their relationship with digital pedagogy. In the framework of the events of the International research congress Academia Journals, Celaya 2020.

6.- theme "Analysis of three-dimensional Immersive Digital Environments for Educational purposes" on Saturday, June 12, 2021 from 05:30 to 06:30 PM(IST) by School of Education, GD Goenka University, Gurugram, India.

7.- Magisterial Conference " Digital platforms. Challenges and prospects" in the framework of the Álvaro Gálvez y Fuentes Chair. Media and digital platforms in education. The challenges of the pandemic. by the secretary of public education through the general coordination of Aprende.mx. 9 December 2021

Conference "AI in Education" For sharing his expertise as panel expert in the one-day International Congress Organized by School of Education, GD Goenka University, Gurugram, India. Dated: January 19, 2022.

9.- Conference "Reflection on Digital Immersive Learning" Organised by B.Ed. Division, SCERT, Delhi on June 18, 2022

## **VI. ACADEMIC AND PROFESSIONAL ASSOCIATIONS**

A. Amateur Radio. Certified by the Secretariat of Communications and Transport, Engineering and Technology Area, certificate of aptitude to operate radio stations in the amateur service. For the use of radio frequency. 1993 a 2008.

B. Member of the Marketing Committee of the Social Media Club Mexico; an open community of professionals that explores, analyses and debates Social Media and applies it in its various disciplines to boost results. Entry: October 2011

C. Member of the Academic Council for research and postgraduate studies of the Faculty of Fine Arts.

Date of entry: January 2013 - March 2014

D. Member of the Research Group: Studies in Digital Culture, its Implications in Education and Science Dissemination.

Entry date: March 2016 - Present

## **V. SCHOLARSHIPS**

1. CONACYT - Universidad Autónoma de Querétaro Scholarship for doctoral studies (2014 - 2018)
2. Scholarship from the Marist University of Querétaro to study for a Master's degree (2008- 2010).
3. Scholarship from the Marist University of Querétaro for undergraduate studies (2004 - 2008).
4. CIIDET Fellowship - Interdisciplinary Centre for Research and Teaching in Technical Education (2016-2017)