

## LEARNING AND DEVELOPMENT SPECIALIST

As an E-learning expert, teacher, researcher on education and virtual learning environments, I optimize the learning experience for adults and teenagers. With expertise in instructional design, learning management systems (LMS), proficiency in Moodle, Articulate 360, and CSS and HTML5 coding, I develop engaging training programs to meet organizational needs. Incorporating learning theories, blended strategies, creative and immersive content design, I build innovative e-learning initiatives aligned with proposed objectives. With applied content coordination skills and a charismatic pedagogical approach, I facilitate effective communication and learning for diverse groups. By incorporating data analysis and tracking evolving trends, I always seek to ensure that learning outcomes effectively meet previously established need.

- ✓ Earned an M.Ed. in Science and Mathematics Education in Brazil.
  - ✓ Awarded with a Canadian scholarship to research education at Bishop's University, Quebec in 2022.
  - ✓ Native speaker Portuguese, advanced level of English and basic French (in development).
  - ✓ Open Work Permit for Canada until December 2024 with renewal possibility, Citizen of Brazil.
- 

## WORK EXPERIENCE

### RESEARCH SPECIALIST

Jan 2022 – Jun 2022

*Bishop's University, Sherbrooke, QC, Canada - Visiting Researcher on Education in the Psychology Department with support from Global Affairs Canada (ELAP)*

- Conducted research to investigate the effectiveness of various pedagogical strategies on student engagement in flipped classroom environments.
- Utilized statistical analysis and graphic data visualization techniques to interpret research findings from multiple sources, including the National Science Foundation.
- Administered surveys to measure social anxiety, academic self-efficacy, and other psychological factors affecting student engagement.
- Despite the promising results from the initial research, the researchers involved are still collecting data to provide more conclusive evidence of the effectiveness of specific pedagogical strategies on student engagement in flipped classroom environments.
- The ongoing data collection involves a larger sample size and more in-depth analysis of the psychological factors affecting student engagement in flipped classroom environments.

### RESEARCH SPECIALIST

Aug 2020 – Jan 2023

*Federal University of São Paulo, São Paulo, Brazil - Researcher on Science and Mathematics Education as part of obtaining an academic master's degree*

- Conducted research on predictors of course engagement in a Virtual Learning Environment (VLE) using data analysis and graphical data visualization techniques.
- Measured the impact of individual differences in the ability to delay gratification on students' academic achievement and affective responses using surveys.
- Analyzed and interpreted the research findings to draw meaningful conclusions and recommendations for improving teaching and learning practices in science and mathematics education.
- The findings suggest that emergency remote teaching may require different teaching strategies for high-stakes and low-stakes courses, with a need for more attention on learner-interface interaction in low-stakes courses.

- The lack of a significant relationship between the ability to delay gratification and learner-interface interaction profile during emergency remote teaching could indicate that other individual differences may play a more critical role in academic achievement during remote learning.
- The relationships between affective responses and learner-interface interaction profiles during asynchronous and synchronous classes suggest that pedagogical strategies should consider the timing of different types of interactions.

## **TEACHER & COORDINATOR**

**Jan 2017 – Dec 2021**

**Abaco and Singular Schools, São Paulo, Brazil** - Social Emotional Learning (SEL) teacher and coordinator for elementary and high school

- Taught and guided students in developing emotional intelligence, social awareness, and responsible decision-making.
- Designed and facilitated lessons and activities focused on empathy, self-awareness, conflict resolution, and stress management.
- Collaborated with other teachers and staff to integrate SEL into academic curriculum and school culture, promoting positive relationships and a safe learning environment.
- Provided individual and group counseling to students on a range of issues related to mental health and emotional well-being.
- Coordinated and oversaw the implementation of school-wide SEL programs and initiatives.
- Conducted needs assessments and evaluation of the effectiveness of SEL programs and made recommendations for improvement.
- Developed partnerships with community organizations and mental health professionals to provide additional resources and support for students.
- Collaborated with parents and families to promote SEL and create a supportive home environment that reinforces SEL skills learned in school.

## **MUSIC PRODUCER**

**Sep 2016 – Jan 2019**

**Music studio, São Paulo, Brazil** – Music producer and studio owner

- Lead the music production process by working closely with artists to develop their sound and bring their creative vision to life.
- Oversaw the operation and maintenance of the studio, ensuring all equipment is functional and up to date.
- Managed projects and budgets, coordinating with artists, engineers, and other professionals to ensure timely and high-quality delivery of music products.
- Stay current with industry trends and emerging technologies, implementing new tools and techniques to improve the production process and enhance the quality of final products.

## **TEACHER**

**Jan 2015 – Jan 2017**

**Singular School, São Paulo, Brazil** – Science teacher for elementary and high school

- Developed and delivered engaging and effective lessons in science to students of various age groups and proficiency levels.
- Evaluated student progress and provided feedback to support academic growth.
- Collaborated with fellow teachers to design interdisciplinary projects that promoted creativity and critical thinking.
- Fostered a positive and inclusive classroom environment that supports student learning and growth.
- Stay up to date with the latest teaching techniques and educational technologies to enhance the learning experience for students.

## **TRAINEE LABORATORY TECHNICIAN**

**Aug 2014 – Jan 2015**

**Federal University of São Paulo, São Paulo, Brazil** - Trainee Laboratory Technician at the Biological Sciences Lab

- Collected and prepared samples for analysis, ensuring proper labeling and storage.
- Operated and maintained laboratory equipment, performed regular maintenance and calibration to ensure accuracy.
- Recorded and reported experimental results accurately, maintain organized data accessible to other laboratory personnel. Additionally, participate in professional development to stay current on new techniques and technologies.

---

## EDUCATION

**Masters in Science and Mathematics Education** from Federal University of São Paulo, *Brazil*      **2020 – 2023**  
**Diploma** in Philosophy from UNICID, *São Paulo, Brazil*      **2016 – 2019**

## CERTIFICATION & PUBLICATION

**LinkedIn Learning**, Business, Design & Tech Online Courses      **2023 – Present**  
**Alura**, Business Intelligence Courses      **2022 – Present**  
**Certificate** French at Carrefour accès loisirs, *Sherbrooke, QC, Canada*      **2022**  
**Honorable Mention** Using smartphones to learn exercise physiology, FESBE, *São Paulo, Brazil*      **2015**  
**Certificate** English at English Language Center, *Santa Barbara, California*      **2006**  
**Previously published article** <https://doi.org/10.1111/medu.12877>  
**LinkedIn** [linkedin.com/in/ricardonadal](https://www.linkedin.com/in/ricardonadal)