

## EDUCATION

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*University of Cincinnati, School of Education, Cincinnati, OH*

**Master's in Education: Instructional Design and Technology** **2020**

*California State University, Fresno, Fresno, CA*

**Bachelor of Science – Molecular Biology** **2001**

Graduated Summa cum laude (GPA 4.0)

Minor in Cognitive Psychology

Member of the Psychology Honors College

*Biola University, Talbot School of Theology*

**Certificate in Christian Apologetics** **2020**

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## TEACHING EXPERIENCE

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*Providence Extension Program*

**Instructor/ Curriculum Developer** – General Chemistry/ Organic Chemistry/  
Introductory Physics/ Advanced Physics **2015 - present**

Instruction in General Chemistry, Organic Chemistry, Conceptual Physics, Advanced Physics and Anatomy & Physiology; developed Power Point slides, videos, printed materials (exams, worksheets, laboratories, quizzes), and other media for classes; drafted syllabi, tutored students online using video-conferencing software, develop and maintain course websites.

*Cunningham Dance Studio*

**Ballet/ Pointe Instructor; Choreographer** **2015 - present**

Instruction in classical ballet and pointe, with an emphasis on principles of dance science (anatomy, physiology, kinesiology, physics); develop and execute curricula for summer intensive programs; choreograph classical ballet solos, ensembles and corps de ballet routines for annual recital.

*LEONARDO'S Workshop*

**Proprietor/ Curriculum Developer** – Drawing Realism/ Pre-engineering/  
Introductory Aerodynamics/ Woodworking/ Chemistry/ General Science **2008 – 2015**

Research and development of curricula for all above subjects; developed curricula for week-long summer intensive courses in chemistry of soap-making, pre-engineering, basic aerodynamics, and colored-pencil art course in drawing wildlife.

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## RELATED EXPERIENCE

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### *CUMC Flyers – Kettering, OH*

**Instructor** – Basic Aerodynamics

**2008 - 2017**

Worked with students ranging from fourth grade through twelfth grade in the building, trimming and flying of rubber-band powered airplanes.

### *Valor Martial Arts – West Carrollton, OH*

**Instructor/ Choreographer** - TaeKwonDo

**2012 - 2014**

As a black belt instructor, taught students the basic techniques of TaeKwonDo, along with stretching, strengthening and conditioning exercises. Produced choreography for the performance team.

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## PUBLICATIONS AND PAPERS

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- Basden, B. H., Basden, D. R., & Morales, E. (2003). The role of retrieval practice in directed forgetting. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 29(3), 389-397.
- Vesenka, J. & Morales, E. (2002). Scanning Probe Microscopy in Biology with Potential Applications in Forensics. In *Atomic Force Microscopy/ Scanning Tunneling Microscopy 3* (pp. 31 – 48). Springer, Boston, MA.
- Muir, T., Morales, E., Root, J., Kumar, I., Garcia, B., Vellandi, C., & Vesenka, J. (1998). The morphology of duplex and quadruplex DNA on mica. *Journal of Vacuum Science & Technology A: Vacuum, Surfaces, and Films*, 16(3), 1172-1177.
- Morales, E. (2019). Autism, Darwinism, and the quest for origins. *Salvo Magazine* (in print).

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## MEMBERSHIPS

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- American Chemical Society
- American Association of Chemistry Teachers