

Summary

Caring, motivated, and enthusiastic teaching professional with experience and skill in fostering a positive learning environment to a diverse classroom.

Education and Credentials

- **MS Biology** (2020) Point Loma Nazarene University
- **CA Clear Secondary Teaching Credential in Biology** (1/05) University of San Diego
- **BS Biology** (8/99) Illinois State University

Professional Experience

Point Loma Nazarene University – Adjunct Biology Professor

San Diego, CA – Jan 2020- Present

- Experience instructing various undergraduate university-level biology laboratory and lecture courses, including Organismal Biology, Human Biology and Bioethics, University Now, and Ecology and Evolution.
- Incorporates diverse instructional methods, including interactive demonstrations, on-line learning, stimulating hands-on laboratory activities.
- Develops and implements lesson plans, reviews and evaluates student progress regularly, and encourages student participation with enthusiastic discussions.
- Uses Canvas for a web-based platform to interact with students and manage course.

Point Loma Nazarene University – Laboratory Teaching Assistant

San Diego, CA – September 2019-December 2019

- Support the lead instructor in teaching a university-level Human Biology and Bioethics laboratory course.
- Experience as lead instructor, guided lab activities and group discussion
- Help students with analytical techniques and content comprehension

Cary High School - Marine Ecology and Biology High School Teacher

Cary, NC – Jan 2007- June 2009

- Created enriching curriculum and fun, hands-on labs for both Marine Ecology and Biology, grades 9-12 of diverse backgrounds.
- Established clear objectives of all lessons, labs, and projects
- Promoted lively discussions about the relevance of lessons to student lives
- Committee member for Graduation Project, included mentoring students and judging.
- Sponsor/ Leader for Environmental Club- projects included fundraising for Life Straw, created neighborhood rain bins, waterway cleanups, creation and sale of reusable grocery bags, volunteer labor at carnivore rescue group.
- Designed field-based learning activities, such as NC estuary/ dune exploration and river/water analysis.

Correia Middle School - Physical Science Teacher

San Diego, CA - September 2005- June 2006

- Instruction for 8th Grade students in Physics, Chemistry, and Astronomy.
- Collaborated with Team Members to create stimulating research projects, such as the Toothpick Bridge, the Balloon Rocket Car, and the Science Fair Projects.
- Helped create Computer-Literate students through technology-enriching activities, such as student-generated iMovies, Power Point Presentations, manipulating digital photography, creating Excel graphs and charts, and BLOG forum interaction (Moodle).
- Made science personal to students through interesting class discussions, daily writing prompts of real-world events.
- Adjusted teaching style and pace to accommodate student needs, including ELL learners, special education, and advanced students.

Biochemistry Research Experience

Syrrx, Inc (Now Takeda) Protein Research Associate II

La Jolla, CA July 2001-November 2003

- In support of the drug discovery efforts, performed high-throughput cloning, protein expression and purification of human proteins using *e. Coli* and *p. Methanolica*.
- Adapted small scale techniques to proprietary robot design, including experimental scale-up and the creation of SOP's
- Working knowledge of techniques such as: bacteria and yeast cell culture, DNA preps, SDS-Page, Western Blot, affinity, anion exchange, and size exclusion chromatography.
- Kept detailed scientific notebooks in GMP format
- Presented relevant information at department meetings.
- Possessed excellent problem solving and multi-tasking skills.

Relevant Teaching and Associations

Teaching Assistant – La Jolla Elementary School, La Jolla, CA

Tide Pool Interpreter – Birch Aquarium, La Jolla, CA

Long Term Biology Substitute – Scripps Ranch High School, San Diego, CA

Biology Student Teaching- Point Loma High, San Diego CA

Curriculum Development and Animal Care – Project Wildlife, San Diego, CA

Private Math and Science Tutor

Personal Interests

Camping, swimming, reading, music