

Valerie D. Crouse

Summary

Motivated, self-directed, creative, and resourceful individual with strong background in math and sciences, supported by field research and professional work experience in Epidemiological studies. 2+ years experience as embedded online STEM Tutor for eCore. 9+ years experience in homeschool and multi-age classroom settings.

Core Qualifications

- BS Biology
- MS Epidemiology
- Strong collaborator
- Critical thinker
- Excellent organizational skills
- Strong and effective communication skills
- Fluent in French
- Commitment to Service Excellence
- Versed in online learning environments K12, GoView, Brightspace, D2L, Blackboard Collaborate, Knewton Adaptive Learning
- Utilizes interactive teaching methods
- Engages multiple-learning styles with innovative and inquiry-based teaching
- Creates positive learning atmosphere
- Promotes student-driven learning

Education and Training

Harvard University School of Public Health, 2000

Cambridge, MA. Epidemiology- Infectious Disease.

Master of Science

Tufts University, 1994

Medford, MA. Biology, minor in Child Studies.

Bachelor of Science

Related Professional Experience

Lead Tutor

eCampus, University of West Georgia
Carrollton, GA

March 1, 2019- present

Coordinate and integrate tutoring needs and services across a variety of modalities and platforms for optimal student success outcomes.

Supervise a team of embedded STEM tutors, formulate procedures

Support the Student Engagement and Analytics team

Embedded STEM Tutor
eCampus, University of West Georgia
Carrollton, GA

February 2017-February 2019

Respond to tutoring inquiries/questions in an online environment via email, Discussion Board, Live Chat and online whiteboard/classroom setting
Provide assistance to Faculty to engage students and target specific needs of students for grade improvement and successful completion of course
Interact with team of STEM Tutors to coordinate tutoring coverage and manage student needs

Epidemiologist/Surgical Calculator
Woodhams Eye Clinic
Atlanta, GA

May 2015-October 2016

Perform calculations of IOL power and prepare data for surgical plans. Collect patient data and assess for accuracy. Manage and maintain databases. Perform statistical analysis of surgical outcomes and report findings. Monitor patient records for HIPPA and GCP/ICH compliance.

Substitute Teacher
Coweta County School System
Newnan, GA

February 2011-April 2015

Provide instructional assistance in elementary, middle, and high schools throughout Coweta County.

Private Tutor
Newnan, GA

May 2010-current

Provide tutoring in Algebra, PreCalculus, Biology, Literature, and Language Arts to adult and youth

Epidemiologist
Laser Vision Institute
Tampa, FL

August 2001 - April 2003

Plan and direct studies of patient outcomes post LASIK surgery.
Perform statistical analysis of surgical outcomes and report findings.
Monitored and reported infectious disease incidence (DLK). cDetermine site specific disease source and risk factors, work with staff to reduce incidence. Compile research findings for publication and presentation.

Clinical Research Associate I
Medical Technical Research Associates
Natick, MA

July 1999 - August 2001

Clinical trial monitor for various pharmaceutical companies.
Enforce relevant federal regulations for Phase II-IV clinical trials regarding site selection, patient eligibility, consenting, data collection, drug logs, and adverse events reporting.
Monitor case report forms for accuracy. Prepare case report forms.
90% travel throughout Southeastern US

Clinical Coordinator
Mass Eye and Ear Infirmary
Boston, MA

August 1994 - May 1999

Patient recruitment and enrollment by conducting screening interviews and consultations.

Coordination of patient visit, vision testing, labwork, retina consult, and fluorescein angiogram.

Direct patient care through blood pressure monitoring, visual acuity testing, collection of medical history, and quality of life interviews.

Maintain patient records and drug dispensation records. Data coding and data entry.

Achievements

Research Publications and Presentations:

- “The Resolution of an Outbreak of Diffuse Lamellar Keratitis Using a Multi-factorial Approach to Changes in the Sterilization Protocol” European Society of Cataract and Refractive Surgery Amsterdam, The Netherlands: 3 September 2001
- “Treatment and Outcomes Within a Large Case Series of Diffuse Lamellar Keratitis” European Society of Cataract and Refractive Surgery Amsterdam, The Netherlands: 3 September, 2001
- The Age-Related Eye Disease Research Group: The Age-Related Eye Disease Study (AREDS): A clinical trial of zinc and antioxidants. AREDS Report 2. J of Nutrition 130: 1516S-1519S, 2000.
- The Age-Related Eye Disease Research Group: The Age-Related Eye Disease Study (AREDS): Risk factors associated with age-related macular degeneration. AREDS Report No. 3. Ophthalmology 107: 2224-2232, 2000.
- The Age-Related Eye Disease Research Group: The Age-Related Eye Disease Study (AREDS): Design implications. AREDS Report No. 1. Controlled Clinical Trials 20: 573-600, 1999

Curriculum Development, Lego Robotics Camp

- Developed innovative lesson plans and practical application exercises for summer camp in order to embrace STEM initiatives.
Lego Engineering, Mayan Adventure, Extreme Robotics I, Extreme Robotics II, Go-Girl Bots

Program Management and Leadership

- Incorporating innovative technology with curriculum for greater learning opportunities in science, math, and technology
- Oversee staff of 8 young adults, provide leadership mentoring, and professional and educational development

Community Service

- Served as chaperone for students achieving 75 hours of community service to Metropolitan Ministries, spreading awareness and introducing issues such as homelessness, domestic violence, and poverty and their affects on children, education, and health.

Personal Interests

Cycling, Marathon runner, Triathlons, Foreign Travel, Reading, Adventure Sports, Skiing, Hiking, Yoga

