

ERIC MEAD
323 S Gaylord Street, Denver, CO 80209
Phone: 720-635-2907, e-mail: meaeri28@yahoo.com

Recent graduate seeks employment as laboratory technician or research assistant. Available to start immediately.

EDUCATION: BS Organic Chemistry, Evergreen State College, Olympia, WA with an emphasis on the extraction and purification of natural products. Excellent hands-on skills using pH meters, spectrophotometers, performing titrations, mixing buffers, and taking electrochemical measurements.

Experience with laboratory techniques such as refluxing, distillations, pH dependent extractions, organic extractions, steam distillations, recrystallization, and column chromatography. Very comfortable using IR spectroscopy, gas chromatography, and thin layer chromatography.

Hands-on experience in the biological laboratory includes protein electrophoresis, protein assays, sub-cellular fractionations, and enzyme kinetic studies.

Studied the chemistry of alcohols, ethers, aldehydes, ketones, and benzene and its derivatives, emphasizing the mechanisms of nucleophilic addition and electrophilic aromatic substitution.

Familiar with the following lab procedures: the synthesis of benzoic acid via a Grignard reaction, the dehydration of a secondary alcohol, the copolymerization of styrene and methyl methacrylate, and the microscale nitrations of methyl benzoate and bromobenzene.

Senior year focused on marine organisms, elements of biological, chemical and physical oceanography, field sampling methods, and their associated statistics and laboratory techniques.

Independent research project for last quarter of senior year was on the extraction of bioluminescent and biofluorescent proteins Aequorin and GFP from the jellyfish *Aequoria Victoria* using organic extraction techniques.

PROFESSIONAL EXPERIENCE:

Lab Assistant and Teaching Assistant, Organic Chemistry Department, The Evergreen State College, summer 2010, Professor and Advisor: Dr. Peter Pessiki Assisted in the classroom with topics such as organic reagents, reaction mechanisms, acid base chemistry, and stereochemistry.

Assisted in the lab with pH dependent extractions, fractional and steam distillations, column chromatography, multi-step synthesis and spectroscopy, incorporating NMR, IR and absorption spectroscopy techniques.

Assisted Dr. Pessiki in his research project on synthetic chemistry and the isolation of natural products, with an emphasis on health and plants.

Produced the following in the lab: diazo dyes, detergents, protein and lipid extractions from milk, and caffeine from coffee.

Recent Employment:

Starbucks Coffee. September 2011 to November 2013

Shift manager and “coffee master” earning the prestigious black apron. Received several customer service awards, implemented corporate quality control measures, conducted QC audits, made bank deposits, ordered supplies, trained new employees.

Wild Iris Recreation, Denver, CO June 2008 – August 2008

Senior Life Guard and Swim Instructor

City and County of Denver, Hiawatha Davis Recreation Center

June 2005 – August 2007 Senior Life Guard and Swim Instructor

Supervisor: Keith Abeyta

Volunteer: The Children’s Hospital, 2003-2004

CERTIFICATIONS

American Red Cross: Standard First Aid, Adult CPR/AED, CPR for the Professional Rescuer, Lifeguard Training

REFERENCES:

Dr. Cathy VanBlerkom, Pathologist, 303-863-1063

Dr. Peter Pessiki, Evergreen State College chemistry faculty, 360-867-6892

Dr. Marlon Neely (retired surgeon, personal reference) 303-904-9954