

Curtis Crouse
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EDUCATION

Currently working toward a M.S., Southern Illinois University Carbondale
Zoology

B.S., University of Maryland College Park, May 2008
Animal and Avian Sciences

WORK EXPERIENCE

Charles River, Germantown, MD
Aquatic Specialist, Oct 2008- Dec 2009

- Provided daily husbandry for zebrafish, *Xenopus laevis*, and sea urchins
- Performed daily maintenance on aquatic housing systems
- Communicated with and supported the needs of research staff
- Performed monthly preventative maintenance to aquatic housing systems
- Prepared a wide variety of diets for aquatic species
- Conducted weekly and monthly water quality tests
- Received and responded to off hour alarms from aquatic housing systems

Charles River, Germantown, MD
Corporate Response Team, Jul 2008- Oct 2008

- Fed, siphoned, and cleaned tanks for dragon fly larvae
- Cultured and housed adult brine shrimp to be used as animal feed
- Provided husbandry for several important lines of zebrafish
- Communicated with and supported the needs of research staff
- Performed scheduled maintenance on recirculating aquaculture systems
- Conducted weekly water quality analysis for zebrafish systems

Crane Aquaculture Facility, University of Maryland, College Park, MD
Lab Assistant, Jan 2007 – Jul 2008

- Provided daily husbandry for zebrafish, hybrid striped bass, and Atlantic sturgeon
- Conducted water quality analysis of several aquatic housing systems
- Inspected recirculating aquaculture systems for proper function
- Assisted with periodic length and weight measurements on fish
- Replaced worn pumps on recirculating aquaculture systems
- Collected, counted, and inspected zebrafish embryo to determine fecundity, percent fertile and percent hatched

RESEARCH EXPERIENCE

Undergraduate Research Program, University of Maryland, College Park, MD, Oct 2007-May 2008

- Assisted in development of protocol for a scientific investigation on the effect of nutritional supplementation on zebrafish gamete production and survival through metamorphosis
- Conducted research and experimentation according to protocol
- Collected data and presented results in the form of a poster

PROFESSIONAL ORGANIZATIONS

American Association for Laboratory Animal Science 2008-Present

- Dedicated to the humane care and treatment of laboratory animals and the quality research that leads to scientific gains that benefit people and animals.

Zebrafish Husbandry Association 2009-Present

- Professional organization dedicated to promoting the improvement of husbandry standards for usage of the zebrafish (*Danio rerio*) in scientific research

Alpha Zeta Professional Agricultural Honors Fraternity 2006-2008

Chancellor 2007-2008

- Professional society for students and industry professionals in the agriculture and natural resources fields.

CERTIFICATIONS

American Association for Laboratory Animal Science

- Assistant Laboratory Animal Technician Certified