

330 Watson St
Pacific Grove, CA
93940

Phone 831.333.0980
831.236.9804 (cell)
E-mail
eli@outofthedeepblue.com
Web
www.outofthedeepblue.com

Elijah Woolery

Objective

To use my background in marine science and engineering as a researcher and educator focusing on conservation biology.

Work/Research/ Observation experience

5/03-Present, Moss Landing Marine Laboratories/UC Santa Cruz
Marine Mammal Observer, “Wind to Whales” CIMT Cruises
Continuing participant as an observer on monthly cruises with the objective of investigating links between coastal upwelling, nutrient delivery, phytoplankton growth, and the distribution, abundance, and productivity of prey organisms and their predators in the Monterey Bay by integrating shipboard and remotely sensed oceanographic data, plankton tows, and line transect surveys.

6/05-Present, Moss Landing Marine Laboratories
Marine Mammal Observer, Moss Landing Bridge Construction
One of a team of observers monitoring and mitigating bridge construction impact on resident marine mammals and birds.

11/99-11/02, 6/04-3/05 Light & Motion, Monterey, CA

Design Engineer and System Administrator

- Led large-scale design projects from initial concept through full-scale production for a vertically integrated manufacturer of underwater imaging equipment and high-end bike lights.
- Designed and prototyped complex machined, extruded, cast, and molded parts, and directed and supervised the manufacturing and assembly of these parts.
- From 11/99-11/02, concurrently held responsibility of head System Administrator, in charge of network management and day-to-day maintenance, including administering and troubleshooting the company's internal file and mail servers and Filemaker database.

3/02-9/03, 6/04-10/04 Moss Landing Marine Laboratories, Moss Landing, CA

Lead Research Assistant “Cues Project”

- Used a towed underwater camera system to study sea lion interactions with the salmon fishery, with the eventual goal of finding a benign method of preventing sea lions from causing losses to the fishery.
- Provided input on the design of the device, lead the initial deployment and successful use of the system.
- Designed, manufactured, and successfully deployed secondary towed camera system.

1/99-11/99, Bermuda Biological Station for Research, Bermuda

Assistant Computer Systems Administrator & Operations Assistant

- Assisted with internal network management, performed day-to-day maintenance, built new systems and repaired old ones, and helped users with computer-related issues and questions
- Drafted complete plans for the Bio Station on AutoCAD14 and integrated these plans with a GIS survey.
- Consulted resident scientists on instrumentation development and assisting with research diving.

Education

8/03-Present, Moss Landing Marine Laboratories, Moss Landing, CA

M.S. in Marine Science (in progress)

- Currently working towards completion of a Master's degree in Marine Science. Affiliated with the Vertebrate Ecology Lab.

9/94-9/98, Stanford University, Stanford, CA

B.S. in Engineering: Product Design

Technical Skills

Computer Skills: Pro/Engineer 2001, AutoCAD 14, ArcView GIS, Systat, Adobe Premiere Pro, Photoshop, Illustrator, GoLive, and Live Motion, Macromedia Flash, Dreamweaver and Freehand, C, JavaScript, HTML, MS Word, Excel. Experienced with Windows XP, NT, 2000, Macintosh OS X and earlier, and Unix operating systems.

Manufacturing Skills: Working experience with 3-axis CNC milling, turning, MIG/TIG welding, injection molding, machine sewing, vacuum forming, LaserCAMM, sand and investment casting, and general construction and carpentry techniques.

Drawing Skills: 14+ years of freehand and technical illustration experience.

Photography Skills: 5 years of underwater photography and videography experience.

Certifications and activities

AAUS Certified Scientific Diver

PADI Rescue Diver

TDI Nitrox Diver

9/97-6/98 **Instructor**, Geological and Environmental Sciences 7: Wilderness Skills. One of a group of graduate and undergraduate instructors in a class that teaches backpacking, orienteering, rock climbing, wilderness first aid, avalanche preparedness skills, backcountry skiing, and snow shelter building to students of Stanford University. Emphasis was on minimum impact techniques and environmental ethics.

Other activities: Surfing, diving and underwater photography, mountain biking, ocean kayaking, running.

Volunteer experience Volunteer with local & Bay Area groups (Monterey Bay Aquarium, Boys & Girls club of East Palo Alto) to help educate and inspire children about the ocean environment.

Languages Working knowledge of Spanish and basic Italian