April 2008

Lauren Decker
16 Albatross Drive
Saunderstown, RI 02874
(401) 207-2177

Greetings,

I am a motivated, driven and reliable scientist currently working as a masters student and research assistant in the University of Rhode Island's School of Oceanography. I plan to graduate in the summer of 2008, and am interested in continuing research activities in Oceanography.

I have a strong background in programming and developing applications in MATLAB and python, writing/designing web pages and using Microsoft products (Excell, Word, Power Point, etc.) as well as the LaTex type setting program. My prime interest is in physical oceanography and I excel in both hands-on research and computer-oriented data analysis. Working closely with data, performing field work, and being part of a scientific community have been, and continue to be, life-long goals.

In June 2005, I received my Bachelor of Science in Physical Oceanography with a minor in Applied Mathematics from the University of Washington. My undergraduate thesis work (or capstone research project) involved locating and measuring phenomena related to internal solitary waves (ISW) in Port Susan, Puget Sound. The results were presented at the Mary Gates Undergraduate Research Symposium and at the February 2006 Ocean Sciences Conference in Hawaii.

I worked as a research assistant with Mitsuhiro Kawase, Professor of Oceanography at the University of Washington while pursuing my undergraduate degree, and continued to work for him for a year before pursuing a masters degree at the University of Rhode Island. I developed a quality control and oxygen calibration system for data collected from the UW PRISM project (http://prism.washington.edu). I also developed a GUI in matlab for a box model of Puget Sound, which was used in a class room setting. With Professor Kawase's research group I also work on a project to track effluents through the Sound using the POM model to track particle flow.

I am currently work on a coastal frontal zone in the Mid-Atlantic Bight with Dr. Ullman and Dr. Hebert at the University of Rhode Island for my masters research. Results were presented at the Ocean Sciences Meeting 2008 in Orland Florida.

You can reach me at (401) 207-2177 or by email: lbdecker@gmail.com, thank you for your time and consideration.

Sincerely,
Lauren B. Decker

LAUREN B. DECKER

16 Albatross Drive
Saunderstown, RI 02874

Phone: (401) 207-2177
Email: lbdecker@gmail.com
www.lbcurry.net/cv.htm

EDUCATION

M.S. Physical Oceanography, University of Rhode Island, expected graduation in summer 2008
Advisor: Dave Hebert

B. S. Physical Oceanography with an Applied Math minor, University of Washington, 2005
Dean's List with 3.2 Cumulative GPA

PROFESSIONAL EXPERIENCE

University of Rhode Island, Mid-shelf front in the Mid-Atlantic Bight research group
Fall 2006 to Present
STUDENT RESEARCH ASSISTANT

University of Washington, Puget Sound Regional Synthesis Model (PRISM)
Summer 2004 to Summer 2006
QUALITY CONTROL SPECIALIST.

University of Washington, Integrated Observational Platforms, Ocean Physics Dept.
Summer 2004 to Spring 2005
STUDENT ASSISTANT.

Anchorage, AK, Party World Rentals
Summer 98, 02, 03
COMPUTER TECH/DATA ENTRY.

SKILLS / ACHIEVEMENTS

- Masters research at URI included two cruises abroad the Endeavor for data collection of a mid-shelf front in the Mid-Atlantic Bight. Then matlab data processing and analysis of collected Scanfish data.

Coursework/Activities at UW included:

- Time series from the Clifford A. Barnes of dissolved oxygen at the mouth of Port Susan, Puget Sound. Introductory Oceanography Class with Professor Mitsuhiro Kawase.
- Investigating and reporting on the circulation in the Hood Canal, Puget Sound, with Professor Richard Keil on the Thomas G. Thompson.

- Capstone research project was to investigate the dissipation mechanism of an internal solitary wave in Port Susan, Puget Sound. Worked with Professor Seelye Martin as my advisor. (http://www.lbcurry.net/SrThesis/final.html)
- Volunteered on two PRISM cruises preparing machinery for launch, deploy and recovered machinery and taking water samples.
- Designed and automated metadata creation for PRISM Cruise data, took PRISM minutes, created an oxygen calibration matlab GUI, created a matlab GUI for a Puget Sound box model system.
- Created a cruise ship effluent tracer python program from a particle tracing program and using the POM circulation model.
- Summer spent deploying Seagliders in flight tests before sending the gliders to Alaska, Hawaii, Greenland, or Navy missions.

- Solved business problem for Party World Rentals by creating an MS-Access database that tracked their rentals and streamlined the business operations. Enhanced visibility to customers with the creation of their Web site.

- HW-SW Skills :

Matlab data modeling and analysis MS-Access, Excel, Word, Power Point	LaTex WEB/HTML production Macromedia Flash	Corel Draw 3D Studio Max

PRESENTATIONS

Decker, Lauren, Dave Hebert, David Ullman. (2008) *Observations of a Mid-Shelf Front in the mid-Atlantic Bight during the winter of 2007*. Poster presented at Ocean Sciences 2008 Meeting, Orlando Florida.

Sarason, Christian, Lauren Curry (now Decker), Mitsuhiro Kawase. (2006) *Modeling Cruise Ship Discharges in Puget Sound: Estimates of Dilution and Landfall Near Admiralty Inlet, Washington.* Poster presented at the Ocean Sciences 2006 Meeting, Honolulu Hawaii, February 20-24, 2006.

Senior Research Project:
Curry, Lauren (now Decker), Seelye Martin. (2005) *Internal Solitary Wave Dissipation in Port Susan, Puget Sound*. Poster presented at the Undergraduate Research Symposium, May 13, 2005.
... Talk given at the Oceanography Senior Research Class Symposium, June 2, 2005.
... Poster presented at the Ocean Sciences 2006 Meeting, Honolulu Hawaii, February 20-24, 2006.

AWARDS

ASLO Minority Program Participant in the 2008 Ocean Sciences meeting.
Dean’s List; Fall, Winter, and Spring Quarters in 2005, University of Washington.