

# Devon Lowell Francke

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## Goal

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- To work with resource managers and public policymakers to protect, conserve, and restore the marine environment

## Research Interests

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- Marine ecosystem function and management
- Behavioral ecology of marine organisms, particularly of sea turtles and sharks
- Pelagic and coral reef fisheries management and regulation

## Education

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- **Hawaii Pacific University (HPU)**  
9/2009-present
  - Master of Science in Marine Science (in progress, expected completion 8/2011)
  - GPA: 3.97/4.00
  - Relevant coursework: Geographic Information Systems, Marine Ecology, Fisheries Management, Marine Conservation Biology, Physical Oceanography, Geological Oceanography, Ichthyology, Isotope Seminar, and Advanced Biometry
- **University of Wisconsin (UW) – Madison**  
9/2003-5/2007
  - Bachelor of Science with Honors Distinction in Zoology, with an emphasis on Environmental Studies (completed 5/2007)
  - GPA: 3.5/4.0
  - Relevant coursework: Advanced General Chemistry, Evolution and Extinction, Introductory Biology, Atmospheric Environment and Society, General Physics, Extinction of Species, General Ecology, Applied Statistics – Life Sciences, Ornithology, Environmental Conservation, Animal Behavior, Limnology, Midwest Ecological Issues, Directed Study in Chemical Biology Lab, Senior Thesis in Population Biology Lab
  - Honors: Phi Sigma Theta National Honors Society, Sigma Alpha Lambda National Honors Society, The National Scholars Honor Society

## Work Experience

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- **Norpac Fisheries Export, Honolulu, HI**  
8/2010-5/2011
  - Research and compile natural history information on commercially-valuable fish species for posting in the Norpac Fisheries Export website
  - Salary: \$25.00/hr

- **Underwater Adventures Aquarium, Bloomington, MN**  
11/2008-7/2009
  - Led snorkeling sessions/dives for guests
  - Led educational tours of the facility for guests
  - Led educational events and classes for the public
  - Worked as an animal/exhibit interpreter for guests
  - Assisted animal husbandry with food preparation and feeding
  - Supervised staff in multiple departments, assisting with daily operations
  - Salary: \$10.25/hr
- **Internship, School for Field Studies – Center for Marine Resource Studies (SFS-CMRS), South Caicos, Turks and Caicos Islands**  
9/2007-8/2008
  - Researched and created teaching materials for the resident faculty
  - Prepared and presented hour-long lectures on marine protected areas and organism identification to undergraduate students
  - Assisted students with research projects
  - Performed administrative and logistical tasks
  - Assisted resident faculty with field research
  - Led a field project studying sea turtle growth and movement
  - Planned student and community activities
  - Salary: \$2,000.00/yr
- **Internship, Intergovernmental Relations, City of St. Paul, MN** 3/2007-5/2007
  - Audited Minnesota state legislative sessions related to environmental issues and reported to the Deputy Director of Intergovernmental Relations
  - Salary: N/A
- **Internship, Como Park Zoo & Conservatory (CPZC), Operations Dept., St. Paul, MN** 2/2007-5/2007
  - Assisted the operations manager with her daily duties
  - In charge of a number of projects
  - Gained experience in budget management
  - Salary: N/A
- **UW Psychology Department, Madison, WI**  
5/2006-8/2006
  - Cared for and fed laboratory animals: tamarins, chinchillas, mice, and rats
  - Salary: \$8.50/hr
- **Internship, CPZC, Education Dept., St. Paul, MN**  
5/2005-8/2005
  - Gained experience teaching children about environmental education
  - Became proficient in the use of online researching of credible sources
  - Completed projects assigned to me on time and in a professional manner
  - Directly participated in animal behavior research of a harbor seal
  - Salary: N/A

## **Publications**

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- Francke, D.L., Harmon, J.P., Harvey, C.T., and Ives, A.R. 2008. Pea aphid dropping behavior diminishes foraging efficiency of a predatory ladybeetle. *Entomologia Experimentalis et Applicata*. Vol. 127, Issue 2: 118-124.
- Plate, R., and Francke, D. "The Sea Ethic." *The Times of the Islands*. Fall 2008.
- Francke, D., Hoenig, J., Calosso, M., Parsons, K., Pepper, M., Henderson, A., Richardson, P., and Newman, S. Growth of Juvenile Hawksbill Turtles (*Eretmochelys imbricata*) at Foraging Grounds in the Turks and Caicos Islands, British West Indies. In preparation.
- Francke, D., Vetter, E., Winn, C., Hargrove, S., Balazs, G., and Hyrenbach, K.D. Juvenile Green Turtle (*Chelonia mydas*) Diving Behavior in Relation to Habitat Heterogeneity and Water Temperature in Kawainui, Oahu, Hawaii. In preparation.

## **Presentations**

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- Juvenile Green Sea Turtle (*Chelonia mydas*) Diving Behavior in Relation to Habitat Heterogeneity and Water Temperature in Kawainui, O'ahu, HI. Hawai'i Conservation Conference, August 2-4, 2011.

## **Scholarships, Grants, and Awards**

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- Runner-Up Student Oral Presentation Award, Hawai'i Conservation Conference, award of \$250 8/2011
- World Turtle Trust Grant, award of \$2,000 5/2011
- Dean John A. Knauss Marine Policy Fellowship Finalist 5/2011
- The HPU Trustees' Scholarly Endeavors Program, award of \$6,990 10/2009 - 08/2011
- Graduate Trustees' Scholarship, award of 2-year 50% tuition waiver 9/2009-5/2011
- Sea World Conservation Fund Grant, request of \$19,976.52 pending

## **Skills and Certifications**

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- WAFA (Wilderness Area First Aid)
- PADI Divemaster
- Boat driving and basic maintenance
- Proficient with Microsoft Excel, Word, and Powerpoint
- knowledge of Geographic Information Systems, PC-ORD, Systat, and Sigmaplot software

## **Activities and Volunteer Work**

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- HPU Marine Science Graduate Student Representative  
2/2010-1/2011
- Reef Watch Waikiki Volunteer 2/2010-  
present
- Hawaii Pacific University Marine Science Club 9/2009-  
present
- Roseville Community Band  
9/2008-7/2009
- Scuba Diving, PADI Divemaster 6/2007-  
present
- International Student Volunteers, Mackay and Tieri, Australia 6/2007-  
7/2007
- Special Olympics Minnesota volunteer, Minneapolis, MN 5/2007
- Students in Free Enterprise (SIFE)  
9/2005-12/2006
- Sellery Hall Association: Cultural Arts Committee  
9/2004-5/2005
- University Band 1/2004-12/2006

## **References**

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- Dr. K. David Hyrenbach, Professor, HPU
  - 41-202 Kalaniana'ole Highway, Waimanalo, Hawai'i 96795
  - 808-236-3563
  - khyrenbach@hpu.edu
- Cassi Weber, Senior Operations Director, Underwater Adventures Aquarium
  - Mall of America, 120 East Broadway, Bloomington, MN 55425
  - 952-883-0303
  - cweber@minnesotaaquarium.com
- Dr. Steve Newman, former Center Director of SFS-CMRS
  - 4.71 Ridley Building, Newcastle University, Newcastle Upon Tyne, Tyne and Wear, NE1 7RU, UK
  - Phone: N/A
  - steve.newman@ncl.ac.uk
- Dr. John Claydon, former Center Director of SFS-CMRS
  - Dairy House Barn, Whiteparish, Salisbury, Wilts SP52SF, England
  - +44-1-794884500
  - john.claydon@gmail.com