

Connor R. Walsh

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Education

Carnegie Mellon University, Pittsburgh, PA
M.S. in Electrical and Computer Engineering; May 2015

Rutgers University, New Brunswick, NJ
B.S. Major: Physical Oceanography; Minor: Mathematics; May 2012
Awarded Honors in Marine Sciences for Academic Achievement & Research Excellence

Professional Experience

Contract Research Assistant, Theiss Research, La Jolla, CA
September 2011 - January 2014

- Research and analysis of data in preparation for scientific publication
- Liaison to the Institute of Marine Sciences, Zanzibar, Tanzania

Research Technician, Institute of Marine and Coastal Sciences, Rutgers University
June 2012 - September 2012

- Developed and improved image processing algorithms for particle tracking experiments involving the use of PIV laser systems in turbulent flow

Mooring Assistant, Institute of Marine and Coastal Sciences, New Brunswick, NJ
December 2010 - September 2011

- Prepared and maintained oceanographic instruments for deployment
- Participated in observational campaigns in the Delaware River

Academic Experience

The Zanzibar Project, Institute of Marine Sciences, Zanzibar, Tanzania
June 2011 - August 2011

- Participated as one of four students funded by NSF/OISE IRES
- Collected and analyzed data for validation of a regional ocean model
- Developed and performed a self-formulated study on non-linear tidal dynamics
- Fulfilled duties as on-site financial administrator

Poster Presentations,

American Geophysical Union Fall Meeting, San Francisco, CA, *December 2011*

Aresty Research Symposium, Rutgers University, NJ, *April 2012*

- Prepared and presented poster comparing regional ocean model with observed tidal dynamics in the Zanzibar Channel, funded by Aresty Research Center

Computer Skills

- MATLAB, C/C++, Python, Assembly, Unix scripting, LaTeX, Javascript, HTML, CSS, AS3, jQuery, Git, NETCDF

Volunteering & Interests

Website Development, www.connorwalsh.net, HTML/CSS/jQuery
November, 2012

- Designing and coding personal site for science, game design, and music projects

Educational Outreach, S.T.E.M. Career Day, W. Allen Middle School, Moorestown, NJ
March 2012

- Prepared and presented two forty-five minute presentations on physics to students

Volunteer worker, Sadhana Forest, Tamil Nadu, India

Summer 2008

- Lived and worked in a sustainable farm community
- Participated in reforestation, water conservation, and community relations projects