

Kelsie A. Timpe

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EDUCATION:

Master of Science in Interdisciplinary Ecology Expected May 2015
University of Florida, Gainesville, FL

Bachelor of Science in Environmental Engineering (EIT) May 2013
University of Florida, Gainesville, FL - GPA 3.64 (Cum Laude)

Team leader of senior design project focused on Stormwater Basin Retrofit Design

Related coursework: Applied Ecology, Surface and Groundwater Hydrology, Hydraulic Systems Design, Water and Wastewater Treatment, Wastewater Microbiology, Air Pollution Control Design, Solid Waste Containment Design, Water Chemistry, Environmental Resource Management, Project Development and Visualization (AutoCAD), Survey of Planning Information Systems (ArcGIS)

FIPSE International Travel Grant Recipient July 2011 – Dec. 2011

Vitória, Espírito Santo, Brazil

Program focus: Water Resources and Watershed Management

Coursework (in Portuguese): Hydrology, Atmospheric Resources, Environmental Audit/Evaluation of Environmental Impacts, Solid Waste Management

Study Abroad Program, Florida State University – Panamá May 2009 - Aug. 2009
Panamá City, PA

Coursework: Communication in Language and Culture 1 & 2,
History of Panamá, History of Brazil

RESEARCH EXPERIENCE:

Amazon Dams Project Research Assistant August 2013 - Present
Tropical Conservation and Development Program, Center for Latin American Studies
University of Florida, Gainesville, FL

- Develop a conceptual framework for interdisciplinary research on socio-environmental impacts of dams
- Develop a website and database for use by the public and submit research proposals

Environmental Engineering Research Assistant

University of Florida, Gainesville, FL

- Hydrology lab May 2012 – May 2013
 - Assisted in stormwater mitigation research project
 - Analyzed samples for nitrogen/phosphorous concentrations and particulate matter loading
- Mercury analysis lab Aug. 2010 – Dec. 2010
 - Assisted with mercury extraction research project
 - Identified and solved problems while adapting to a challenging environment

Meteorology Research Assistant

Florida State University, Tallahassee, FL

- Developed weather simulations to analyze hurricane data using UNIX and GrADS

RELATED WORK EXPERIENCE:

Everglades Summer Internship

May 2013 – Aug. 2013

Arthur R. Marshall Foundation for the Everglades, Lake Worth, FL

- Gained perspective on the history and ecology of the South Florida and the Everglades
- Worked as part of a multi-disciplinary team on Everglades restoration and sea level rise research and education projects

SKILLS:

Languages: Conversational in Portuguese and Spanish

Computer Programs: Microsoft Office (Word, PowerPoint, Excel), basic knowledge of AutoCAD, ArcGIS, SWMM and ANSYS Fluent - Computational Fluid Dynamics

MEMBERSHIPS:

AWRA, Engineers Without Borders, Chi Epsilon Honor Society, Golden Key International Honor Society, Phi Eta Sigma Honor Society, National Society of Collegiate Scholars, Woman in Math, Science and Engineering (WIMSE)

SELECTED PRESENTATIONS:

Denison, S., Hickcox, C., James, J., Scholze, T., **Timpe, K.** 2013. How Everglades Restoration Can Mitigate Some Effects of Sea Level Rise in South Florida. Arthur R. Marshall Foundation for The Everglades. <http://cdn.trustedpartner.com/docs/library/ArthurRMarshallFoundation2011/POSTER%20Final.pdf>