

José Ramón Torres Colón

2004 Caudal Street • Urb. Valle Verde • Ponce, PR 00716 Mobile (787)-841-5014 •
Email jose.torres111@upr.edu

SUMMARY OF QUALIFICATIONS

I am a result-oriented **Information Systems Professional** with over 20 years of hands on and management experience within the consulting, training, Federal regulated and not regulated manufacturing, nonprofit and administration environments. Over this time, I have provided sound contributions and proven results on independent projects as well as a team member. For my contributions within and outside my direct area of responsibility I was awarded Sara Lee's Company Zorro Award for Drive Change and Innovation.

WORK HISTORY

CariCOOS (UPR Mayagüez) – Mayagüez, PR

System Administrator

Jun-2016 – Present

- ◆ Maintain and support CariCOOS information systems and communication infrastructure.

Museo de Arte de Ponce – Ponce, PR

Information Technology Supervisor

Dec-2013 – Jun-2016

- ◆ IT Budget planning, administration, monitor and control.
- ◆ Manage software and hardware Service Contract (Payroll, Finance, Microsoft Agreement, Antivirus, Copier, Servers Contract and other Organization related equipment and systems).

Intralot, Inc – Duluth, GA

Senior Network Engineer

Mar-2012 – Dec-2013

- ◆ Provide support for the installation, configuration, monitoring, maintaining and troubleshooting of network and data communication equipment for over 10 USA State lotteries and their retailers.

Ponce School of Medicine – HITREC (Health Information Technology Regional Extension Center) - Ponce, P.R.

HITREC Field Supervisor

Jun-2011 – Mar 2012

- ◆ Provide training, guidance and support to all Personnel on Project's Milestone 2 for the achievement, completion and compliance of Provider's EHR (Electronic Health Record) implementation.

Patheon Pharmaceutical, (Formerly Mova Pharmaceutical) Caguas/Manatí, P.R.

Infrastructure Administrator

May-2008 – May-2011

- ◆ Responsible for the supervision of PC Desktop Support and Customer Service for both locations.
- ◆ Responsible for the proper operation, monitoring and maintenance of a 7/24 Cisco LAN/WAN infrastructure, servicing two geographically disperse facilities converging voice and data for over 400 users and connecting to corporate headquarters.

Puerto Rico Department of Education, Ponce, P.R.

Computer Technology Teacher

Feb-2008 – May-2008

- ◆ Designed and implemented lesson plans for Microsoft Office products.

Hanesbrands Inc. (Formerly Hanes Menswear, Inc. a division of SaraLee Corp.), Ponce, P.R.

LAN ADMINISTRATOR

Mar-1995 – Dec-2007

- ◆ Provide optimal 24/7 communications uptime maintaining and monitoring LAN / WAN, Cisco and Nortel equipment as well as converging voice over the network (IP trunking).
- ◆ Ensure all Change Control and SOX documentations are properly complied with for all IT projects.
- ◆ Implement, maintain and support network infrastructure and security in the production area.

- ◆ Monitors LAN-WAN connectivity (installation, configuration, maintenance of Network's software and hardware for over 10 servers, routers, wiring, communication lines and equipment) for six sites.
- ◆ Responsible for the execution of procedures related to system security, disaster recovery, data integrity and availability on a computer assisted manufacturing environment on a 7/24 operation.

COMPUTER LABORATORY TECHNICIAN II

Jan-1992 – Mar-1995

- ◆ Provided technical support to the Office of the Dean, Administrative Personnel and Faculty.
- ◆ Designed and configured LAN infrastructure for the Office of the Dean and student networks.
- ◆ Managed (installation, wiring, repair and maintenance) of four Novell LAN's serving over 170 PC's.
- ◆ Supervised 14 employees (training, work schedules, payroll activities, performance evaluation).

SKILLS

• Planning and organizing • Budgeting • Project Management • Teamwork oriented • Customer service oriented • Problem analysis and solving • Fast learner • Excellent communication skills • Bilingual (Spanish/English) • Strategic thinking • Manage and Improve processes • Drive execution • Build effective work relationships • Good listener • High adaptability capacity.

PROFESSIONAL TOOLBOX

• Network protocol routing, wiring installation and configuration • Systems troubleshooting, testing and installation • TCP/IP • MPLS • Frame Relay • T1 • ISDN • SNMP • Sniffer • CSU/DSUs • Cisco and Nortel Equipment • Windows 9x, NT, 2000, XP, 2003, Vista, 7, 8.x and 2008 • Unix • Linux • VMware for Servers (ESXi) and Desktop • WSUS • Active Directory • Novell Netware • NDS • ASP
 • MS SQL • HTML • MS-DOS • MS Office 97 - 2013 • FrontPage • MS Visio • MS Project • Visual Basic • VBScript • Jscript • Lotus Notes • Microsoft Exchange 2003-2010 • Design of networks and databases systems • PC and server software/hardware installation • cGMP and CFR Part 11 • Basic Knowledge on PLC • CA Desktop Management and Service Desk • Mercury IT Governance • Legato Networker and Symantec BackupExec Backup Enterprise solutions • Sarbanes & Oxley regulations.

TRAININGS AND SEMINARS

• Windows Server 2008 Bootcamp • Computer System Validation (CSV) • Programming a MS SQL Server 2000 Database • Fundamentals of Programmable Controller Systems (PLC) • Administering a Microsoft SQL Server 2000 Database • Multiple Project, Objective and Deadlines Seminar • Project Management Training • Understanding Networking Fundamentals • Internetworking with TCP/IP • Troubleshooting TCP/IP Networks • Interconnecting Cisco Network Devices • Basic Network Fundamentals & Advanced Networking Seminar • UNIX Operating System • Netware 4 Design and Implementation.

EDUCATION

Bachelor of Science in Business Administration, Major in Computer Information Systems College of Business Administration, University of Puerto Rico, Mayagüez Campus

Curriculum Vitae

Jorge E. Capella Hernández

Present Title and Address

Research Consultant in Data Management, Physical Oceanography and Ocean Modeling
Urb. Marbella, Círculo B-10
Aguadilla, PR 00603
787-882-0649, 787-590-9426 cell.
jcapella@caribe.net

Citizenship Puerto Rico, USA

Degrees

Ph.D. (Physical Oceanography & Modeling), Texas A&M University, 1989
M.S. (Marine Sciences – Physical Oceanography), University of Puerto Rico, 1983
B.S., Magna Cum Laude (Biology; Physics and Chemistry minors), University of Puerto Rico, 1978

Postdoctoral Appointment

UCAR Postdoctoral Fellowship in Ocean Modeling at the Mesoscale Air-Sea Interaction Group (currently known as the Center for Ocean-Atmosphere Prediction Studies), Dr. J.J O'Brien, Florida State University, Tallahassee, FL, Oct. 1989 - Oct. 1991.

Active Advisory Committee Membership

Research Advisory Committee for the Jobos Bay National Estuarine Research Reserve
Caribbean Regional Association (CariCOOS) of the IOOS – Point of Contact and regional coordinator for Data Management and Communication (DMAC) and Modeling and Analysis Steering Team (MAST)

Technical Skills

Exposure to the field aspects of Physical Oceanography in both academia and in the private sector has provided ample knowledge and experience in the acquisition, configuration, logistics and deployment of oceanographic instrumentation (single point current meters, ADCPs, CTDs, XBT, drifters, optical packages, etc.) and in the QA/QC procedures required for obtaining high quality data sets. Scientific use of these data has provided insight into user needs related to portability, metadata, data processing, data set visualization and accessibility.

Technical skills developed through experience in Physical Oceanographic modeling and in Multidisciplinary Ocean Modeling encompass the whole gamut of High Performance Computing (HPC), the handling of large input and output data sets, time series analysis and the software tools and environments utilized in this endeavor. The field and modeling skill sets are complemented

by ample experience in FORTRAN, MATLAB, Linux, Windows and shell scripting, and working knowledge of Python and XML.

My role as the CariCOOS DMAC Coordinator (or Lead) since the inception of CariCOOS in 2007 has benefited from previously acquired skills while allowing for technical and professional development into new areas such as THREDDS/OPeNDAP servers and services, NetCDF file creation and CF conventions, metadata standards, ERDDAP, GIS and others. Technical writing in both English and Spanish and the use of the MS Office and linux LibreOffice productivity suites round up a typical workday.

Experience

Oceanographic Consulting Experience

2007 – present	IOOS Caribbean (CaRA) Modeling and DMAC Coordinator
1992 – present	Numerous currents, tides, and waves monitoring studies in the PRUSVI region. Some of these studies include analytical or numerical modeling of plumes or other type of discharge.
1992– present	Oceanographic consultant to various coastal development projects, both public and private.
Jan. 2001 – May 2004	Numerous current meter (ADCP) deployments and data analyses in regards to 301H compliance studies at several regional wastewater treatment plants around Puerto Rico.
1983 – 1985	Mixing zone modeling studies for several regional wastewater treatment plants around Puerto Rico.

Academic Experience

Feb. 2003 – present	Special Research Appointments, University of Puerto Rico, Mayagüez, PR
Jul. 1996 – Jul. 2002	Associate Professor, Department of Marine Sciences, University of Puerto Rico, Mayagüez, PR
Aug. 1993 - Jun. 1996	Assistant Professor, Department of Marine Sciences, University of Puerto Rico, Mayagüez, PR
Sep. 1992 - Jul. 1993	Assistant Administrator and Research Associate, University of Puerto Rico Sea Grant College Program, Mayagüez, PR
Oct. 1991 - Jul. 1992	Research Associate, Mesoscale Air-Sea Interaction Group, Florida State University, Tallahassee, FL
Jun. 1983 - Aug. 1985	Scientific Associate III, Center for Energy and Environment Research of the University of Puerto Rico, Mayagüez, PR
Jan. 1980 - May 1983	Marine Technician, Center for Energy and Environment Research of the University of Puerto Rico, Mayagüez, PR

Select Publications

- Anselmi-Molina, C.M., M. Canals, J. Morell, J. Gonzalez, J. Capella and A. Mercado (2012) Development of an operational nearshore wave forecast system for Puerto Rico and the U.S. Virgin Islands. *Journal of Coastal Research*, 28(5):1049-1056, September 2012, DOI: 10.2112/JCOASTRES-D-11-00132.1
- Barnier, B., J.E. Capella and J.J. O'Brien (1994) Driving a primitive equation Indian Ocean model with satellite scatterometer winds: The impact of the band-like sampling. *Journal of Geophysical Research*, **99**, No. C7, 14,187-14,196.
- Capella, J.E., E.E. Hofmann, R.M. Ross and L.B. Quetin (1992) Models of the early life history of *Euphausia superba*. Part II: Lagrangian calculations. *Deep Sea Research*, **39 7/8**, 1201-1220.
- Capella, J.E., R.M. Ross, L.B. Quetin and E.E. Hofmann (1992) A note on the thermal structure of the upper ocean in the Bransfield Strait - South Shetland Islands region. *Deep Sea Research*, **39 7/8**, 1221-1229.
- Capella, J.E., D.E. Alston, A. Cabarcas-Núñez, H. Quintero-Fonseca and R. Cortes-Maldonado (2003) Oceanographic considerations for offshore aquaculture on the Puerto Rico-U.S. Virgin Islands platform. Pages 247-261 in C.J. Bridger and B.A. Costa-Pierce, editors. *Open Ocean Aquaculture: From Research to Commercial Reality*. The World Aquaculture Society, Baton Rouge, Louisiana, United States.
- Capella, J., J. Morell and J. Corredor (2009) Meeting Stakeholder Ocean Data Needs in the Eastern Caribbean. This paper appears in: [OCEANS 2009, MTS/IEEE Biloxi - Marine Technology for Our Future: Global and Local Challenges](#). Issue Date: 26-29 Oct. 2009, On page(s): 1 - 5, Print ISBN: 978-1-4244-4960-6.
- Corredor, J.E., J.M. Morell, J.M. López, J.E. Capella and R. A. Armstrong (2004) Cyclonic eddy entrains Orinoco River Plume in Eastern Caribbean, *EOS*, **85**(20), 197-208.
- Fornshell, J.A. and J. Capella (1984) Lagrangian current measurements in the northeastern Caribbean Sea. *Proceeding of Oceans*, IEEE, September 10-12, 731-735.
- Hoffman, E.E., J.E. Capella, R.M. Ross and L.B. Quetin (1992) Models of the early like history of *Euphausia superba*. Part I: Time and temperature dependence during the descent ascent cycle. *Deep Sea Research*, **39 7/8**, 1182-1220.
- Morell, J.M., J. Capella, A. Mercado, J. Bauza, and J.E. Corredor (2001) Nitrous Oxide Fluxes in Caribbean and Tropical Atlantic waters: evidence for production in the mixed layer. *Marine Chemistry* 74:131-143
- Morelock, J., J. Capella, J. Garcia, and M. Barreto (2000) Puerto Rico. In *Seas at the Millenium: An Environmental Evaluation*, Volume I, Chapter 36, edited by C. Sheppard, Pergamon Press, 539-549, ISBN: 0-08-043207-7.
- Texeira, M. and J. Capella (1996) Time-frequency and time-scale analysis applied to soliton detection in the Caribbean Sea. *Proceedings of the IEEE-SP International Symposium on Time-Frequency and Time-Scale Analysis*, June 18-21, Paris, France, 353-356.
- Williams SM, Garcia Sais J, Capella J (2009) Seasonal variation and spatial distribution patterns of early larval stages of the long-spined sea urchin *Diadema antillarum* in La Parguera, Puerto Rico. *Carib J Sci* 45:110-117.

EDWARD L. CRUZ-GARCIA, M.Sc.

Caribbean Coastal Ocean Observing System, Inc.

Email: edward.cruz1@upr.edu

Webpage: <https://www.caricoos.org/>

A. PROFESSIONAL PREPARATION

University of Puerto Rico- Mayagüez	Mayagüez, P.R.	B.Sc. CIVIL ENGINEERING, 2018
University of Puerto Rico- Mayagüez	Mayagüez, P.R.	M.Sc. STRUCTURAL ENGINEERING, 2020
University of Pau and Pays de L'adour	Anglet, France	M.Sc. COMPUTATIONAL IN COASTAL ENGINEERING, 2021

B. APPOINTMENTS

November 2021 – Present	Research Assistant, Department of Engineering Science and Materials, University of Puerto Rico-Mayaguez
October 2021 – Present	Oceanographic Data Analyst, Caribbean Coastal Ocean Observing System
March – August 2021	Graduate Research Internship, High Performance Computer of Waves, E2S, University of Pau and Pays de L'Adour- Anglet.
October – December 2020	Private Consulting Assistant, Aponte Bermudez and Associates, L.L.C.
February 2018 – May 2020	Graduate Student Researcher, Caribbean Coastal Ocean Observing System

C. SYNERGETIC ACTIVITIES

- ASLO Conference 2019, San Juan, PR. Poster presentation – “Measuring water surface elevation nearshore using a LIDAR.”
- ASLO Conference 2020, San Diego, CA. Poster presentation – “CFD Numerical Simulations to Comprehend the Wind Speed-ups Produced by the Geomorphic Complexity of Puerto Rico.”
- Member of the American Society of Civil Engineers (ASCE)
- Member of Global Brigade Water Chapter