# **Caridad Ibis Gonzalez**

**Education**

2009- 2009 Accounting, The English Center, M-DCPS, Miami, Florida

1979-1985 ***Bachelor of Science in Computer Science/Mathematics***, University of Havana, Cuba

**Computer Skills**

Languages ▪ C/C++, Java, JavaScript, Python, SQL, HTML, PHP

Environments ▪ MS Visual Studio C++, NetBeans, Qt Creator

Framework ▪ .Net, Qt, QML, OpenLayers

Operating Systems ▪ Windows, Linux

Concepts ▪ OOA/OOD (UML), Relational Database, Client/Server, Model-View architecture

Tools ▪ TortoiseSVN, Hyper Terminal

**Other Skills** Tax Professional, H&R Block, USA

**Work Experience**

2009-Present ***Research Associate III***, The Cooperative Institute for Marine and Atmospheric Studies (CIMAS), research institute of the University of Miami

**Project:** AMVERSEAS applications system used for oceanographic and meteorological data acquisition, data processing, data recording, and data transmission in real-time. This system operates on vessels worldwide.

**Project:** Visual underwater glider profile scientific quality control application. It allows profiling the measured sea glider data to discover data inconsistency and other anomalies, and manual post-processing data mechanism which generates new flag sets.

**Project:** Automatic hardware test tool to assist the Engineering Department in the development, testing, and validation of the own created instruments such the XBT probe auto launcher and the XBT data recorder. Developed in Qt framework to be able to run on various platforms such Linus, macOS, and Windows.

**Project:** Redesign and maintenance of XBT Network (*http://www.aoml.noaa.gov/phod/goos/xbt\_network/*) and ARGO Center (*http://www.aoml.noaa.gov/phod/argo.index.php/*) webpages in order to provide the website visitors updated information and to make it responsive and provides a seamless experience across all devices.

**Project:** Development of tool and operational software used for the US Argo Data Acquisition Center (DAC).

**Project:** Visual Quality Control (QC) in Delay Mode (DM) of the generated data by around 1,500 satellite-tracked surface drifting buoys of the Global Drifter Program (GDP). The QC result is an edited data set (position and temperature) which are interpolated to 6-hour intervals using an optimum interpolation procedure called kriging. Through the QC update new deployed buoys, buoys that may have data gaps, dead or grounded buoys, and active buoys have to be processed.

**Project:** Drifter Observing System web page. The objective of this project is to provide an interactive map online with access to deployed active buoys information. By click it can retrieves the buoy identification card.

2005- 2007 ***Development of Systems***, danet GmbH, Germany, Weiterstadt, Germany, www.danet.de

**Project**: CARMEN (**C**ustomer **A**dministration & **R**elationship **M**anagement m-Business **e**-Commerce **N**etwork-Billing)

**Subproject**: CCC (**C**armen **C**ustomer **C**are): Customer cares and invoices system from T-Mobile Germany.

1999- 2004 ***Development of Systems***, c.a.r.u.s. Information Technology GmbH, Germany, Germany, www.carus.de

**Project**: CARMEN (**C**ustomer **A**dministration & **R**elationship **M**anagement m-Business **e**-Commerce **N**etwork-Billing) (see above)

**Project**: HMS (**H**ospital **M**anagement **S**ystem). Generation and introduction from documents, planning, and invoice from hospitals.

1998- 1999 ***Development of software*** specialized in the insurance sale for the Section of Development in the SK-Informatik GmbH, Cologne, Germany

**Project:** FuSa (**F**inancial **u**nd **S**ubvention **a**nalysis, German abbreviation)

1985- 1993 ***Development of software*** specialized in Industrial Automation in order to maintain the efficiency of continuous production processes, guarantee the quality of the final product and improve the operator's working conditions, CEDAI Empresa de Automatización Integral, Cuba.

**Panel Membership:** SOT Task Team on Instrument Standards, member since March, 2013.

**Languages Spanish, English, German and French**