



# Nicolás Aubone Videla

## Physical Oceanographer

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### Profile

*Degree in Physical Oceanography at Buenos Aires University (UBA). More than 10 years of experience in the IT business. This include front and back-end software development, database management and use of different frameworks. Certified Java programmer, good command of English, proactive and open to expand knowledge and learn new technologies. In 2019 i finished my bachelor degree and decided to start working in the oceanographic science field. Currently studying the heat and salt fluxes in the San Matías Gulf as part of my doctorate in physical oceanography.*

### Education

Doctorate in Physical Oceanography – UBA – Argentina (Present)  
Postgraduate course in Artificial Intelligence with Deep Learning – ITBA (2020)  
Bachelor of Physical Oceanography – UBA – Argentina (2019)  
Certified Programmer for the Java Platform SE 6, ORACLE (2010)  
First Certificate in English: University of Cambridge (1996)  
Bachiller Nacional Bilingüe : Colegio San Esteban (1996)

### Experience

#### **Prymno (04/2014– 12/2016)**

##### **Java EE Developer**

- Back end Developer and maintenance of Java Enterprise Application.
- UCA University project with Java 6, MVC with Spring and Hibernate and Mysql DataBase.
- Web projects, including php and front-end (html-css-javascript)
- Web Services (JAX-WS) – adding new services for EJB endpoint

#### **Company: MRM Worldwide (04/2012– 04/2014)**

##### **Java EE Developer**

- Develop and Design Java Web Applications for General Motors platform, including all vehicles web pages (Chevy, Buick, Cadillac, Gmc,etc)
- GM platform relies on CQ5 (Adobe) CMS and is integrated with other Java web apps. This apps consume data for relational data bases and web services.
- Develop and design the object models for the application and assist my team mates introducing them to the general GM platform tool.
- Co-work with principal developing team in Detroit.

	<p><b>Company: FOX Latin American Channel SRL (09/2011– 03/2012)</b></p> <p><b>Java EE Developer</b></p> <ul style="list-style-type: none"> <li>• Development for Fox Sports Latin America Website.</li> <li>• Create new modules for OPENCMS java platform, which involves front and back-end.</li> <li>• Debugg and research on site performing.</li> <li>• Design new sections and promotions.</li> </ul>
<b>Skills</b>	<div> <div>➤ Ocean Physics</div> <div>➤ Programming</div> <div>➤ Statistics</div> <div>➤ Big Data</div> <div>➤ Deep Learning</div> <div>➤ Fortran</div> </div> <div> <div>➤ Linux</div> <div>➤ Java</div> <div>➤ Python</div> <div>➤ Matlab</div> <div>➤ Mysql</div> <div>➤ Ocean Modeling</div> </div>
<b>Courses</b>	<p>Modelado de flúidos geofísicos, Centro de Investigaciones del Mar y la Atmósfera (CIMA), CONICET, Buenos Aires, Argentina Jul 2021– Jul 2021</p> <p>Curso Avanzado de CROCO, Universidad de Concepción (Chile) y el Institut de recherche pour le développement (GDRI-Sud CROCO y LEGOS, Francia) Ene 2021– Ene 2021</p> <p>Postgraduate course in Artificial Intelligence with Deep Learning, ITBA Mar 2020 – Dec 2020</p> <p>Developing Architectures for Enterprise Java Applications, ORACLE Apr 2012 – Oct 2012</p> <p>UML &amp; UP, Educación IT Mar 2012 – Apr 2012</p> <p>Java Mobile (Java ME), Educación IT Jun 2011 – Aug 2011</p> <p>Linux Operator and Administrator, UTN Apr 2011 – May 2011</p> <p>Developing Applications for the Java™ EE Platform, ORACLE May 2010 – Nov 2010</p> <p>Java Programming Language, ORACLE Mar 2010 – Apr 2010</p> <p>Fundamentals of Java Programming Language, ORACLE Feb 2010 – Mar 2010</p>

<b>Projects</b>	<p>Studying physical processes in the Southwestern Atlantic to understand BIOlogical productivity &amp; regional ecosystems (SABIO)</p> <p>Aug 2019 – Present</p> <p>Heat and salt flux in the Gulf of San Matías (FLUSAM)</p> <p>Aug 2020 – Present</p>
<b>Languages</b>	<p>Spanish (Native speaker)</p> <p>English (Good reading and writing skills)</p> <p>Portuguese (Good reading skills)</p>
<b>Conferences/ Talks</b>	<p><b>XVIII Congreso Latino - Americano de Ciencias del Mar</b> Mar del Plata, Argentina (November 2019) “Salinity Maximum in the South Atlantic Ocean”</p> <p><b>Ocean Surface Topography Meeting</b> Virtual meeting (October 2020) “Southern elephant seal (<i>Mirounga Leonina</i>) diving and foraging behavior in the Patagonian slope”</p> <p><b>XI Jornadas Nacionales de Ciencias del Mar</b> Comodoro Rivadavia, Argentina (March 2022) “<b>Hábitos de un elefante marino en relación a cambios físicos en el océano</b>”</p>
<b>Publications</b>	<p>Saraceno, M., Tonini, M.H., Aubone, N. et al (2020). On the Complementary Information Provided by Satellite Images, Lagrangian Drifters, and a Regional Numerical Model: a Case Study in the San Matias Gulf, Argentina. Remote Sens Earth Syst Sci. <a href="https://doi.org/10.1007/s41976-020-00039-6">https://doi.org/10.1007/s41976-020-00039-6</a> <a href="https://rdcu.be/b5uca">https://rdcu.be/b5uca</a></p> <p>Aubone, N.; Palma, E.D.; Piola, A.R (2021). The surface salinity maximum of the South Atlantic.Prog. Oceanogr.2021,191, 102499 <a href="https://doi.org/10.1016/j.pocean.2020.102499">https://doi.org/10.1016/j.pocean.2020.102499</a></p> <p>N. Aubone, M. Saraceno, M.L. Torres Alberto, J. Campagna, L. Le Ster, B. Picard, M. Hindell, C. Campagna, C.R. Guinet (2021). Physical changes recorded by a deep diving seal on the Patagonian slope drive large ecological changes. Journal of Marine Systems, Volume 223, 2021, 103612, ISSN 0924-7963, <a href="https://doi.org/10.1016/j.jmarsys.2021.103612">https://doi.org/10.1016/j.jmarsys.2021.103612</a></p>
<b>Technical Reports</b>	<p>Lagrangian drifters in the San Matias Gulf, Argentina <a href="https://doi.org/10.17882/74297">https://doi.org/10.17882/74297</a></p>
<b>Ocean Campaigns</b>	<p>2021. Campaign A.R.A Bouchard, 4-12 September. Deploy of CTD and ADCP instruments in the mouth of San Matías Gulf. Also 62 drifter buoys were launched near 47°S along the Argentinean continental shelf and slope.</p>

