

## PROFILE

Marine biologist with experience in the technology industry as data analyst. Deeply passionate about studying early development of marine invertebrates. Competent on rearing invertebrates for environmental-stress experiments and knowledgeable in data analysis and visualization with programming languages like SQL, R and python.

## ACADEMIC DEGREES

2019–2021

**MSc in Coastal Oceanography**

Universidad Autónoma de Baja California (UABC)  
Baja California, México

2017–2019

**BSc in Marine and Freshwater  
Resources Management**

Universidad Nacional de Costa Rica (UNA)

2012–2016

**BSc in Marine Biology**

Universidad Nacional de Costa Rica (UNA)

## WORK EXPERIENCE

**Hakkoda**

Analytics Engineer I

2021–2022

Worked with database management using SQL, python and R. Developed protocols for exploratory data analysis and designed dashboards for financial services and leading food distributor clients in the US.

**INCAPESM, UABC**

Research and Training in Production and Growth of Marine Cultures

2021

Worked as laboratory technician, supporting experiments with early development of the Pacific oyster *Crassostrea gigas*. Classified the embryonic and larval stages and assisted in respirometry for larvae. Performed statistical data analysis and created visualizations for final reports of experiments.

**EcoDel, IIO**

Ecology and Developmental Biology Laboratory, Institute of Oceanologic Research

2019–2021

Laboratory maintenance, experiment execution and report elaboration. Provided experimental design and statistical guidance for postgraduate students.

**CIMAR, UCR**

Laboratory assistant (Ad honorem)

2016–2018

Assistant to various researchers for projects about echinoderm research, ocean acidification, seagrass ecology, deep-sea identification and database management.

## RESEARCH

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Daniel González-Suárez & José Carlos Hernández (2022).  
Early developmental stages of the sea urchin *Sphaerechinus granularis*  
(Lamarck, 1816) (Echinoidea: Toxopneustidae).  
Marine Biology Research, 18:3–4, 266–277, DOI: 10.1080/17451000.2022.2093375

## CONGRESSES

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**V Latin American Echinoderm Congress** 2022  
Virtual

Early developmental stages of the sea urchin *Sphaerechinus granularis* [Oral Presentation]

**Isla del Coco and Surrounding Waters International Symposium** 2018  
San José, Costa Rica

Marine Biodiversity Database from published records [Poster Presentation]

**III Marine Sciences Scientific Congress** 2016  
Panama City, Panama

Effectivity of Marine Protected Areas in Costa Rica [Oral Presentation]

## COURSES & WORKSHOPS

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**Exploratory Data Analysis in R** 2020  
Universidad Autónoma de Baja California (UABC)  
Baja California, México

**Larval Biology of Marine Invertebrates** 2019  
Friday Harbor Laboratories, University of Washinton  
Washington, USA

Effects of dissolved oxygen stress on larval *Haminoea vesicula* survivorship and growth  
Selection of vertical zones in low oxygen water columns by larval *Dendraster excentricus*

**Systematics, Taxonomy and Ecology of Echinoderms** 2019  
Universidad Nacional Autónoma de México (UNAM)  
Yucatán, México

**Administration of Marine Biogeographical Data** 2018  
INVEMAR & OceanTeacher - Global Academy  
Santa Marta, Colombia

**Python Programming Academic Workshop** 2018  
Naciona Center for High Technology (CeNAT)  
San José, Costa Rica