



# DEVA SOU

Bioinformatics student

## CONTACT DETAILS:

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BORDEAUX  
France

## CAREER GOALS

To use my knowledge of bioinformatician and data scientist for the environment.

## SKILLS

- Programming:  
Python | Ruby | R  
HTML | CSS | JS  
C | C++ | Java



- Data-Science  
Pandas | Numpy  
SkLearn | TensorFlow



## CORE STRENGTHS

- Calm
- Adaptation
- Determined
- Open minded
- Passionate

## HOBBIES & INTERESTS

- Sea Rowing
- Climbing
- Environmental issues
- Cooking
- Bartending
- Minimalism, low tech



## EMPLOYMENT HISTORY

### Teagasc (The Agriculture and Food Development Authority), Carlow | Ireland

FULL-STACK DEVELOPPER INTERN, FEB 2021 - MAY 2021

Application to display meteorological data and predicting grass growth in Ireland (R - Leaflet - FileZilla). Connected on a FTP server, we have set up the creation of a .csv in conveyor belt in order to retrieve the data of the last week every minute. The user chooses his weather station and we display the raw data and in the form of a graph.

### LaBri (Laboratoire de recherche en Informatique), Bordeaux | France

FRONT-END DEVELOPPER INTERN, MAY 2019 - JUNE 2019

Website to display machine learning results on biological data (HTML - CSS - JS). The data was in .csv format. Chart.js was used for charts and the application was deployed with Heroku.

### Aquarium de la Réunion, Saint Paul | Reunion Island

MARINE BIOLOGIST INTERN, JUL 2017 - AUG 2017

Animal keeper for Indian Ocean marine life (chemical follow-ups on the aquarium water in a closed circuit, coral cuttings, taking care of various marine animals...).

### Hôtel Swalibo (Saint-Paul | Reunion Island), AU BUREAU (Arcachon | France), SFR (Arcachon | France)

VARIOUS ACTIVITIES, 2009 - 2015

During those years, I worked as a bartender, a cook or a salesman.

## ACADEMIC HISTORY

### Université de Bordeaux | France

MASTER'S DEGREE OF COMPUTATIONAL BIOLOGY (2020-2022)

- Allowed me to face the challenges of biology 2.0 with new technologies for the production of high-throughput living data.
- I acquired a dual competence in computer science (algorithms and programming) and biology so as to get software development and expert data analysis skills from the genome to ecosystems.

BACHELOR'S DEGREE OF ENVIRONMENTAL BIOLOGY (2017-2020)

- Allowed me to acquire scientific, technical and practical skills in the field of Life Sciences.
- I understood the living and its functioning through a general multidisciplinary training of high level of general knowledge in all sectors of biology.

### Le Wagon | Bordeaux, France

CERTIFICATION COURSE IN DATA-SCIENCE (2021)

Outside of my school curriculum, I did a 9-week intensive coding Bootcamp learning basic data toolkit. My graduation project was a web application under Ruby on Rails for France weather forecasting. We used a Machine Learning AND Deep Learning Algorithm. Data came from Météo France© in .csv format.

CERTIFICATION COURSE IN WEB-DEVELOPMENT (2020)

Outside of my school curriculum, I did a 9-week intensive coding Bootcamp learning basic web toolkit. My graduation project was a web application under Ruby on Rails with a database on PostgreSQL from API call. We also implement Augmented Reality thanks to a Ruby Library.