



Adrien Laval

Work permit: French | **Date of birth:** 28/12/1996 | **Place of birth:** Sarlat La Canéda, France |

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WORK EXPERIENCE

03/2025 – CURRENT La Rochelle, France

ENGINEER LA ROCHELLE UNIVERSITÉ

- Ongoing development a GNSS processing chain for a Copernicus sea level dataset corrected for vertical land motion.

07/2024 – 03/2025 La Rochelle, France

ENGINEER ON THE SONEL FRENCH NATIONAL OBSERVATION SERVICE CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

- Led the development of innovative products.
- Designed and developed *SpyLevel*, a Python library for automated data collection, statistical analysis, and visualization of sea level and geodetic datasets.
- Created an interactive dashboard to intercompare metadata from multiple tide gauge catalogues: <https://www.sonel.org/tgcat>.
- Developed a web application for the laboratory, integrating modules for Human Resources, Strategic Workforce Planning, and scientific toolsets.

04/2023 – 07/2024 La Rochelle, France

ENGINEER ON THE FUTURISKS PROJECT CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

- Conducted inventory and assessment of sea-level-related geodetic and remote sensing datasets.
- Computed sea-level trends from tide gauge and altimetry time series.
- Refined InSAR-based vertical land motion trends from Copernicus EGMS through colocalization with GNSS and tide gauge data.

01/2021 – 08/2021 Toulouse, France

DIURNAL VARIATIONS OF THE TROPICAL OCEAN MIXED LAYER (MASTER'S THESIS) MERCATOR OCEAN INTERNATIONAL

- Assessed the sensitivity of diurnal oceanic processes to different vertical mixing parameterizations.
- Compared several vertical mixing schemes implemented in the NEMO model and observations to identify the most realistic one.

EDUCATION AND TRAINING

2019 – 2021 Toulon, France

MSC IN PHYSICAL OCEANOGRAPHY Université de Toulon

2018 – 2019 Toulon, France

BSC IN PHYSICS (SPECIALIZATION IN GEOPHYSICAL FLUID DYNAMICS) Université de Toulon

LANGUAGE SKILLS

Mother tongue(s): **FRENCH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● SKILLS

Programming languages

LateX | SQL | CSS | Matlab | HTML | Python

Operating systems

MacOS | Windows | Linux

Databases

MariaDB | MySQL | SQLite