



## Civil status

- French Citizenship
- 10/08/1999

## Languages



Professional English  
(C1-C2, IELTS: 7,5).



Basic German  
(B1)



Brazilian Portuguese  
(A2)

## Skills

- Python coding: machine learning, matrix manipulation, image recognition...
- Industrial modelling (Solidworks)
- Sensors knowledges
- Handling of precision machines: Confocal microscope
- Biological knowledge and handling: PCR, cell culture, anatomy

## Areas of interest

- Chief Scouts et Guides de France
- Animator and drawing (4h per week)
- Sport: Swimming (4h per week); hiking (Occasional)
- Opening to the world: 6 weeks of integration in England, 2 weeks in Germany, 5 months in Brazil, as well as a 3-week trip to China

# Alexis Vindret

## Education

IFPEN 2022 - 2025	<b>PhD Student</b> Flooding experiments to study the dispersion of a biocide for the elimination of biofilms in a porous medium
Sup'Biotech 2018 - 2022	<b>Diploma in Biotechnology Engineering 5th year</b> Engineering Sciences, Biology-Biochemistry-Chemistry SBIP Project Manager "Chroma Prima"
Esme Sudria 2020 - 2022	<b>Double degree in biomechanics - M1 -M2.</b> 3D Solidworks modelling, Arduino coding, machine learning, physiological sensors and medical devices.  Motorized hand prosthesis project with skin emulation.
Prépa BCPST Assomption Bellevue 2016 - 2018	<b>Prep class</b> in mathematics, computer science, biology, chemistry, organic chemistry, physics and biochemistry. Research project on the physical characteristics of a synthetic colloidal suspension
Lycée ITEC Boisfleury 2016	<b>Bac S, speciality SVT</b> 83/100

## Professional experience

Math/Physics teacher 2021- Now	<b>Accompaniment of students in difficulty</b> Pedagogy, learning of work methods and rigour. Explanation and teaching of the mathematics and physics-chemistry programmes.
Research in fundamental biology, <i>INRAE</i> 09/2020-12/2020	<b>Research trainee:</b> <ul style="list-style-type: none"> <li>• Scientific approach to characterise the location of a protein of interest in the root</li> <li>• Handling of microscopes and acquisition equipment</li> <li>• Creation of a 3D model of plant structure allowing the visualisation of</li> </ul>
Research and development in chemistry and dispersion <i>STEPAN Europe</i> 09/2020-12/2020	<b>Laboratory assistant</b> <ul style="list-style-type: none"> <li>• Characterisation of the dispersing, rheological and particulate properties of a dispersion of pigments and active ingredients in aqueous phase</li> <li>• Skills acquired in rheology, particle analysis, active ingredient dispersion and solvent/particle interactions</li> </ul>