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# BAZIN Aymeric

PhD Student

Nationality: French  
D.O.B: 4 juin 1997  
Driving License

## SKILLS

<b>Languages</b>	Python (coding, image post-processing, automation process), MatLab, Maxima <sup>A</sup>
<b>Experimental</b>	Optics (Microscope, Lens, Microslens Array, Imaging with different cameras)
<b>Quantitative Research</b>	Clean room (Plasma Cleaner, UV Litography, Profilometer)
<b>Communication</b>	French (native), English (C1)

## TECHNICAL EXPERIENCE

<b>PhD in Physics: Light-Field Microscopy for single-shot 3D imaging of organoids.</b> <i>Institut d'Optique Graduate School Nouvelle Aquitaine- LP2N</i>	<b>November 2022 —</b> <i>Bordeaux, France</i>
<ul style="list-style-type: none"><li>Imaging in 3D of organoids with a Light Field Microscope.</li><li>Imaging with perspective views to have volumetric view.</li><li>Digital refocusing without moving the sample.</li><li>Bypass the limit of the light field microscope: Small field of view (FOV) and penetration depth.</li></ul>	
<b>Master 2 Internship: Semi-classical study of molecular energy spectral structures</b> <i>Université de Bourgogne</i>	<b>February 2022 — June 2022</b> <i>Dijon, France</i>
<ul style="list-style-type: none"><li>Calculate rovibrational energy surfaces and then study their topology.</li><li>Programming a general algorithm to derive formal expressions of rovibrational operators.</li><li>Express semi-classical rovibrational energy surfaces and to derive formal equations of energy values on critical points.</li></ul>	
<b>Master 1 Internship: Micro-engineering</b> <i>Université de Bourgogne</i>	<b>May 2021 — June 2021</b> <i>Dijon, France</i>
<ul style="list-style-type: none"><li>PDMS microfluidic cell and photonic sensor-chip.</li></ul>	
<b>Bachelor Internship</b> <i>Université de Bourgogne</i>	<b>January 2020 — January 2020</b> <i>Dijon, France</i>
<ul style="list-style-type: none"><li>Laplace transformation.</li></ul>	

## EDUCATION

<b>International Master of science, Physics, Photonics and Nanotechnology M2, Université de Bourgogne, Dijon</b>	2021 — 2022
<b>International Master of science, Physics, Photonics and Nanotechnology M1, Université de Bourgogne, Dijon</b>	2020 — 2021
<b>Bachelor in Physics, Fondamental and Applications, Université de Bourgogne, Dijon</b>	2016 — 2020
<i>University level preparation in physics and engineering sciences, Gustave Eiffel Highschool, Dijon</i>	2015 — 2016
<i>Baccalauréat, French secondary school diploma: science major., Stephen Liégard Highschool, Brochon</i>	2012 — 2015

## ACTIVITIES

BasketBall  
Movies  
Literature