

# Adam Blalate

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## EDUCATION

Sept -Present 2025	<b>X-HEC Master Projet Innovation Conception (PIC)</b> <b>MSc in Innovation Management : #1</b> Master by Eduniversal 2025 <ul style="list-style-type: none"><li>Final year to complete Ecole Normale Supérieure Paris-Saclay diploma</li><li>Economic Management of innovation, Project Management, Organizational Dynamics</li></ul>	<b>Palaiseau, France</b>
2024 - 2025	<b>CentraleSupélec</b> <b>MSc in Design and System Sciences : #2</b> French Engineering School by l'Usine Nouvelle 2025 <ul style="list-style-type: none"><li>2nd year Master's to complete Ecole Normale Supérieure Paris-Saclay diploma</li><li>Focus on Innovation Management, Sustainability, Radical Innovation, Digital Challenge</li></ul>	<b>Gif-sur-Yvette, France</b>
2022 - 2026	<b>Ecole Normale Supérieure Paris Saclay</b> <b>MSc in Mechanical Engineering</b> : Top research school in Paris Saclay University #1 European University by Shanghai Ranking 2024 <ul style="list-style-type: none"><li>Admitted 5th in national French exam</li><li>Focus on Advanced Mathematics, Numerical Analysis, Production Management, Numerical modeling</li></ul>	<b>Gif-sur-Yvette, France</b>
2020 - 2022	<b>Institut Universitaire de Technologie</b> <b>BSc in Mechanical Engineering</b> (ranked 5th of the cohort) <ul style="list-style-type: none"><li>Focus on Automation, Mechanics, Production Management, Materials science</li></ul>	<b>Cachan, France</b>

## PROFESSIONNAL EXPERIENCES

Sept - present 2025	<b>ALSTOM, Digital Train Program, Apprentice</b> <ul style="list-style-type: none"><li>Market analysis of the Digital Railway sector (size, growth, key drivers) and updated the competitive section of the Program Review Board.</li><li>Supported the deployment of the EU Data Act and identification of concrete application cases (e.g., industrial data recovery and sharing)</li></ul>	<b>Paris, France</b>
April - August 2025	<b>Osaka Metropolitan University, Department of Core Informatics.</b> <ul style="list-style-type: none"><li>Conducted a research-driven internship on Supervisory Control of Discrete-Event Systems using Machine Learning techniques.</li><li>Extended prior research using Transformer-based architecture for event prediction and controllability classification.</li><li>Modeled complex industrial systems and implemented supervisory control logic</li></ul>	<b>Osaka, Japan</b>
April - August 2024	<b>Polytechnique Montréal, Mechanical Engineering Department.</b> <b>Research Intern</b> <ul style="list-style-type: none"><li>Studied the impact of DED printing parameters on machining performance.</li><li>Performed experimental tests to analyze surface quality and cutting forces.</li><li>Optimized deposition parameters for improved machining outcomes.</li></ul>	<b>Montréal, Canada</b>
March - June 2022	<b>IJCLab, CNRS (Centre National de la Recherche Scientifique)</b> <b>Engineering Intern (Mechanical Department)</b> <ul style="list-style-type: none"><li>CAD integration / Sizing and calculations / Servitude modeling / Alignment and assembly</li></ul>	<b>Orsay, France</b>

## EXTRACURRICULAR ACTIVITIES

Sept - present	<b>Ecole Normale Supérieure Paris Saclay</b> <b>Football team captain</b> <ul style="list-style-type: none"><li>Management and organization of the team during matches and training sessions</li></ul>
Sept - June 2021 - 2022	<b>AERODYNE (Aerospace association focused on the construction of multiple aircraft)</b> <b>Active member</b> <ul style="list-style-type: none"><li>Participated in design and construction of a Super Emeraude CP310 plane</li></ul>

## SKILLS, INTERESTS & OTHER INFORMATION

<b>Languages</b>	French (native), English (Proficient), Arabic (fluent)
<b>IT skills</b>	Python, Matlab, Excel, CAD, Data Modeling and Visualisation
<b>Interests</b>	Football (10 years of practice), Karate (Blue belt with 5 years of practice with French Federation)
<b>International Experience</b>	Travelled to Canada, USA, Morocco, Greece, Norway, Sweden, etc..