

# INDUSTRIAL AND SYSTEMS ENGINEER

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## EDUCATION

<b>Master of Industrial and Systems Engineering</b> Major in Quality/Manufacturing, and Process Engineering University of Technology of Belfort-Montbéliard (UTBM) [French Engineering School]	<b>FRANCE</b>	<b>October 2020</b>
<b>DUT – University Degree in Technology (French undergraduate degree in Technology)</b> Major in Industrial Engineering Institute of Technology of Lorraine University	<b>FRANCE</b>	<b>July 2017</b>

Link : <https://www.utbm.fr/>  
Link : <https://iut-thionville-yutz.univ-lorraine.fr/>

## SKILLS PROFILE

Lean Manufacturing	Industrial Engineering Concepts	Quality Control Methods
Lean Six Sigma	Manufacturing Engineering & Innovation	ISO9000-ISO14001-ISO50001
Process Engineering	Model Driven Engineering (UML, SysMI)	Quality Engineering & ERP Systems
Data Analysis	Statistical Analysis & Engineering Methods	Quality tools (8D, PFMEA, PPAP...)

## INTERNSHIP EXPERIENCE & PROJECT

<b>PROCESS ENGINEER</b>	<b>CDK Inc ( Start-up)</b>	<b>Detroit, MICHIGAN</b>	<b>November 2020 – May 2021</b>
<ul style="list-style-type: none"><li>○ Deployed Design of Experiment (DOE) for casting process to have the most stable production process.</li><li>○ Deployed FMEA, MSA and process flow to identify risks, and found solutions to resolve them.</li><li>○ Resolved problems related to the manufacturing process and improved customer delivery and material flow efficiency.</li><li>○ Optimized casting process based on lean tools and Taguchi approach.</li><li>○ Developed the concept of technical drawings for 3D printing.</li></ul>			
<b>MANUFACTURING ENGINEER INTERN</b>	<b>AIRBUS</b>	<b>Mobile, ALABAMA</b>	<b>March 2020 - July 2020</b>
<ul style="list-style-type: none"><li>○ Defined and implemented new solution for jigs and tools based on activity levels.</li><li>○ Trained operators on how to use modified and new tools such as high-speed drilling, spot facer, and sanders.</li><li>○ Developed the test monitoring plan for chemical activities and tools.</li><li>○ Carried out monitoring tests, analyzed, eliminated the exposure rate on chromates and chemical activities.</li><li>○ Established corrective action plan and improved production process efficiency.</li><li>○ Participated in the planning of the A320 aircraft assembly process.</li></ul>			
<b>QUALITY ENGINEER INTERN</b>	<b>SAFRAN</b>	<b>FRANCE</b>	<b>September 2018 – February 2019</b>
<ul style="list-style-type: none"><li>○ Developed capability analysis data and established statistical process control.</li><li>○ Deployed analysis to optimize time control for the LEAP (Leading Edge Aviation Propulsion) engine gearbox.</li><li>○ Defined the tolerance range for the design office and the production team for the manufacture of gearbox parts.</li><li>○ Collected, analyzed production performance and quality data to identify trends and improvement opportunities.</li><li>○ Improved the aircraft engine production process to rapidly manufacture the LEAP engines.</li></ul>			
<b>AMATEUR RADIO</b>	<b>ARISS PROJECT, ISS</b>	<b>FRANCE</b>	<b>March 2016 – April 2017</b>
<ul style="list-style-type: none"><li>○ Established radio contact with the International Space Station using radio club F8KGY.</li><li>○ Performed frequency calculations, studied engine rotation, defined the installation and assembly of the equipment.</li><li>○ Championed synchronization testing within the application programming interface.</li></ul>			

## EXTRACURRICULAR EXPERIENCE

<b>STUDENT REPRESENTATIVE</b>	<b>FRANCE</b>	<b>March 2018 – March 2020</b>
<ul style="list-style-type: none"><li>○ Represented students in the School's Board of Directors and included students' best interest in the validation of school's long-term vision.</li></ul>		

## SOFTWARE

SPC Vision, Minitab, SAP, E-prelude, CATIA V5, R, Fusion 360, Inventor, Rhapsody, Revit...  
Microsoft Office Suite (Excel, PowerPoint, SharePoint, Microsoft Project, Microsoft Visio...)