

Jemael Nzihou

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EDUCATION

Chemical Engineering | Bachelor's Degree
The University of Arizona

Chemistry | Bachelor's Degree
The University of Arizona

Applied Business Analytics | Master's Degree
American Military University

WORK EXPERIENCE

04/2024 – 10/2024
Remote

Industrial Engineer **Boeing**

- Utilized advanced industrial engineering methods; optimized workflow, space utilization and equipment
- Developed and maintained detailed documentation; supported training processes across term of contract
- Analyzed and evaluated processes to enhance efficiency; reduced waste within manufacturing department
- Collaborated with cross-functional teams; implemented process improvements, ensured alignment with contract specifications and aeronautical industry standards
- Conducted time and motion studies to identify bottlenecks and recommend solutions to improve overall production time
- Assisted in the design and implementation of ergonomic workstations to improve safety and productivity
- Employed statistical process control methods to monitor quality and performance, driving continuous improvement initiatives
- Coordinated with supply chain management to streamline material handling and inventory control, reducing downtime and costs
- Provided technical support and guidance to production staff, fostering a collaborative environment focused on achieving contract goals and deadlines

01/2021 – 02/2022

Keystone Engineer **Defense Contracting Management Agency**

- Executed time and motion studies to identify bottlenecks, leading to a 15/% improvement in production cycle time and 10% increase in output
- Conducted production capability analyses, identified areas for enhancement, and mitigated risks to maintain alignment with project delivery schedules
- Participated in the development of cost-benefit analyses for proposed engineering changes, contributing to informed decision-making and resource allocation
- Contributed in process reviews and improvement workshops, implementing lean initiatives to advance manufacturing efficiency and foster a culture of continuous improvement

08/2015 – 05/2017

Process Engineer **Leonard Electronics**

- Conducted manufacturing efficiency improvements through Statistical Process Control (SPC), optimizing operational processes
- Analyzed weekly production yields using Minitab and presented findings via Tableau to stakeholders, enhancing data-driven decision-making
- Maintained compliance with strict safety standards in clean room operations,



WORK EXPERIENCE

contributing to risk reduction in handling hazardous materials

Research Assistant University of Arizona

- Conducted comprehensive research on metal corrosion, optimizing polishing techniques for enhanced durability of stainless-steel surfaces
- Collaborated on a cross-functional team to develop a sustainable energy recovery system from food waste, contributing to public health and hunger mitigation initiatives



CERTIFICATIONS

2024

Google business intelligence specialization Coursera

2024

Advanced Google data analytics specialization Coursera

2023

Six sigma black belt Advanced Innovation Group Pro Excellence

Quality Champion Advanced Innovation Group Pro Excellence

<https://www.credential.net/e04c82b4-44d7-4315-8131-e6c3873e5143#acc.IU8ieGXE>

The Quality Champion Credential (also called the Plutonium Standard) is the final of the five levels to become a Quality Champion. A professional who achieves the Quality Champion Credential has achieved:

- 1) The Gold Standard (Six Sigma Professional)
- 2) The Diamond Standard (Lean Management)
- 3) The Platinum Standard (Mini-tab Analytics)
- 4) The Titanium Standard (Project Management)



SKILLS

- SKILLS

Excel



Minitab



Matlab



Aspen



Power BI



Customer Support



Performance Analysis



6 Sigma Black Belt



R Programming



Gas Chromatography



Problem-Solving



Process Development



Project Management



Process Optimization



Lean Six Sigma



Data Analysis



Continuous
Improvement



Change Management



Cross-Functional Team
Leadership



Strategic Planning



Problem Solving



Communication Skills

