
ADAMA SIDIBE

809 Edgebrook Drive 8, DeKalb, IL 60115 ♦ Adama Sidibe ♦ C: (815)508-9861 ♦ asidibe@niu.edu

PROFESSIONAL SUMMARY

Results-oriented Mechanical Engineer with a hands-on approach to tackling projects and accomplishing tasks. Creative and able to provide technically feasible solutions to engineering problems. Fast learner with the ability to hit the ground running and deliver quality results in a timely manner. Fluent in English, French and Bambara.

SKILLS

- Word, Excel, PowerPoint
 - CAD
 - Complex problem solving
 - Stress analysis training
 - Quick learner
 - Engine components, pumps, and fuel systems
 - Technical problem-solving
 - FMEA
 - FEA and failure analysis
 - Mechanical component design
 - Matlab & Mathcad
 - Statistical analysis: Minitab
 - Fluency in French, English, Bambara
 - Strong communication skills
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WORK HISTORY

R&D Engineer, 01/2015 to 05/2015

Caterpillar – Aurora, IL

- Ensured compliance with product specifications and standards requirements in accordance to ISO and Caterpillar design requirements.
- Prepared design reports.
- Analyzed mechanical requirements to determine feasibility of design with APQP team. Implemented process improvements company-wide.
- Conducted Failure Mode Analysis: FMEA/DFMEA.
- Used basic statistical analysis and other quality principles and tools, working independently with minimal direction.
- Tested extensively to ensure products met design intent.
- Tested the feasibility, design, operation and performance of equipment, components and system.

Mechanical Engineer, 04/2014 to 12/2014

Burgess Norton Manufacturing – Geneva, IL

- Coordinated all aspects of production, including selection, fabrication, operation of product designs, and sales.
- Read and interpreted blueprints, technical drawings, schematics and computer generated reports.
- Directed product modifications to ensure conformance with engineering design and performance specs.
- Conducted research that tests and analyzes feasibility, design, and operation and performance of equipments.

Mechanical Engineering Intern, 06/2013 to 08/2013

Northern Illinois University – DeKalb, IL

- Performed on-site field surveys and wrote technical narratives in an efficient and timely manner.
 - Performed grinding evaluation studies for Rz 0.5 um
 - Hands-on experience with manufacturing of composite and material testing. Inventory in structure/properties and material analysis.
 - Recommended design modifications to eliminate machine and system malfunctions..
 - Attended advanced training workshops and conferences.
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EDUCATION

Bachelor of Science: Mechanical Engineering, 2014

Northern Illinois University - DeKalb, IL

ACCOMPLISHMENTS

- Lincoln Land Legend Meyer Peace Award Illinois Dollars for Scholars Winner Illinois General Assembly Award Northern Illinois University Forward Together Forward Finalist
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MEMBERSHIPS

- National Society of Black Engineers Aerospace Design Team Sigma Alpha Mu Engineers Without Borders Philippine Youth Leadership Program African Student Association
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