Ahmed Cewalam

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OBJECTIVE

Efficient professional with years of experience and proven knowledge of regulatory compliance, research and development, and work methods analysis. Aiming to leverage my abilities to fill your company's Engineering role successfully.

PROFESSIONAL EXPERIENCE

Multi-Site Safety Manager- Amazon (AMZL – Delivery Stations), NY & NJ **Nov 2022-Present**

- Guiding and overseeing multiple Delivery Stations, fostering a safety-focused culture, and driving Amazon Global Program implementation by ensuring consistent compliance and alignment with company standards.
- Analyzing Work Health and Safety (WHS) metrics and incident trends for efficient resource allocation in high-risk areas, and reducing safety hazards effectively through the ergonomic risks in the processes.
- Facilitating open dialogue with teams, associates, and leaders to gather input for collaborative safety program enhancements, promoting a cooperative and forward-thinking methodology.
- Coordinating Amazon Global Program implementation, serving as the designated environmental performance provider and guaranteeing smooth implementation across multiple sites.

Site Safety Manager- Amazon DYY6 (AMZL – Delivery Station), Staten Island, NY **Nov 2021-Nov 2022**

- Initiating an Associate Safety Committee to establish a safety culture and to encourage communication of all safety hazards.
- Working with safety specialists as part of the Ergonomics Trailblazers to uncover process paths with the highest risk.
- Collaborating with the Operations team to reduce the negative Safety Leadership Index scores through engagements.
- Improving operations by installing an andon system, which will lead to an increase in the quality and productivity of work.

Site Safety Specialist- Amazon TEB9 (IXD – Inbound Cross Dock), Somerset, NJ **Apr 2021-Nov 2021**

- Collaborated with engineers to institute control/remedial measures for hazardous conditions or electrical equipment.
- Suspended multiple powered industrial trucks posing an active or potential threat to worker health and safety.
- Uncovered root causes of incidents via in-depth investigations and identified prevention strategies to mitigate future risks.
- Demonstrated leadership by performing safe and unsafe procedures for new employees to minimize accidents.

Project Manager- Boyd Consulting, New York City, NY **Oct 2019-Mar 2021**

- Communicated with clients regarding filling out complex permitting processes within NYC for $500K-$1M projects.
- Created project plans with established timelines, assigned appropriate teams, and managed project workflow.
- Supported architects' and engineers' designs as a subject matter expert (SME) on city regulations and policies.
- Collaborated with plan examiners from multiple NYC departments to ensure the building's architecture compliance.

CADLAB Assistant- ArchIT CUNY The City College, New York City, NY **Mar 2019-May 2019**

- Cooperated with technicians to provide technical support and facilitate lab projects and workshops.
- Ensured proper functioning of all printers in CADLAB and assisted students in printing plotters.
- Documented repair processes and helped streamline procedures for future technical support actions.
- Assisted supervisor in making orders for Refund Requests and Account Replenishments in the ticketing system.

Design Engineer Intern- Duro UAS, the Bronx, NY **Jul 2018-Aug 2018**

- Designed a 3D solar-powered phone case for iPhones by using 2D/3D features on Fusion 360.
- Analyzed current market products to focus on making the phone case more portable and multi-functional.
- Built a PowerPoint presentation showcasing the new design perks and features compared to competitors.
- Leveraged time management and project plan creation for assigned projects.

PROJECT EXPERIENCE

Wind Turbine Design – Wind Energy Fundamentals **Jan 2019-May 2019**

- Designed a wind turbine on SolidWorks that will yield the power for the assigned wind velocity and airfoil type.
- Utilized data to create the airfoil and applied the Blade Element Theory to create the wind blade in 3D using MATLAB.
- Operated ANSYS Fluent to carry out Computational Fluid Dynamics on the airfoil and the wind turbine.

Test Stand with a Release Valve Mechanism of the G-3 Hybrid Rocket Engine **Sep 2018-May 2019**

- Structured a test stand made of T-Slots with a sled with clamps to hold the engine and the fuel tanks.
- Designed a release valve mechanism that will automatically dispatch after it fills the engine with cryogenic fluid.
- Manufactured the test stand and 3D printed the release valve mechanism.

FEM Stress Analysis of a C-Clamp – Computer-Aided Design **Sep 2018-Dec 2018**

- Researched and designed a 3D model of a C-Clamp to understand the failure theory.
- Applied a finite element analysis on the C-Clamp with appropriate boundary conditions.
- Modified the C-Clamp to exhibit the least amount of failure optimally.

EDUCATION

Bachelor of Engineering, Mechanical Engineering – CUNY The City College – The Grove School of Engineering
Graduation Date: Sep 2019
GPA: 3.3

Relevant Coursework:

Computer-Aided Design, Manufacturing Processes and Materials, Mechanical Systems Design, Energy Systems Design, Thermal Hydraulics, Aero-Thermal-Fluids Lab, Wind Energy Fundamentals, and Project Management

Affiliations:

Secretary- Muslims Giving Back (MGB) - **Sep 2018 - May 2019**
Member- National Society of Black Engineers (NSBE) - **May 2019**