

Verina Abdelmesih

Dietary Aide

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Citizenship: U.S.

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Veterans' Preference: None

Address: 800 W Forest Meadows, Apt 279
Flagstaff, AZ 86001

Availability: Permanent, Full-time

Recent mechanical engineering graduate whose core skills include working within a multi-disciplinary team to accomplish unit goals and deadlines, expertise in in-person and virtual customer service interactions, and the ability to work with limited resources in order to complete projects.

Work Experience

2023-11 – Present

Dietary Aide

RHNA

1851 N Gemini Rd, Flagstaff, AZ 86001

Salary: \$35,360

Hours Per Week: 36

Supervisor(s): Matt – 928-600-2487

Duties Accomplishments and Related Skills:

- Creates and implements catered diets for staff and patients, while following safe food handling practices as specified by the Nutritional Care Manual.
- Understands basic clinical practices, ensures that practices are completed according to all specifications.
- Coordinates with team to create daily individual schedules, ensuring complete staff coverage and team cohesion.
- Maintains customer confidentiality in accordance to HIPPA, and all applicable regulations.
- Provides written and verbal customer service and feedback to both employees and patients, virtually and in person.
- Works within a multidisciplinary team to ensure that day to day operations are completed, while following all applicable rules and regulations.
- Ensures products provided meet quality and safety specifications, provides reasonable product accommodations when requested.

2021-10 – 2023-11

Asset Protection Customer Host Team Lead

Walmart

2601 E. Huntington Dr. Flagstaff, AZ 86004

Hours Per Week: 36

Supervisor(s): Devon Costa – 818-621-2304

Duties Accomplishments and Related Skills:

- Lawfully enforce Walmart rules and regulations, on an ever-changing company policy schedule.
- Design, coordinate, and supervise the implementation of a new merchandise protection plan, changes including but not limited to electronic investigation techniques, surprise section checks, and quality evidence handling.
- Works with both local and neighboring management and employee units to ensure day to day operations are completed efficiently and within applicable laws and regulations.
- Constructs and installs company security cameras in accordance to local Walmart ground layout while maintaining asset protection requirements.
- Conducts quality reviews of company equipment, investigates failures in system.
- Provides training and technical guidance to both local and neighboring work units, topics including but not limited to: suspect apprehensions, off-site aggressions, and Walmart employee monitoring.

Key Accomplishment(s)

- Creation and presentation of new merchandise protection plan, resulting in 45% fewer financial losses than the previous fiscal year.

2020-06 – 2021-10

Deli/Bakery Closing Lead

Walmart

2601 E. Huntington Dr. Flagstaff, AZ 86004

Hours Per Week: 36

Supervisor: Samuel – 480-434-3944

Duties Accomplishments and Related Skills:

- Perform clerical tasks such as filing discipline reports and verifying of section inventory.
- Restructure sales floors in accordance with new plans while staying within the framework of the core planning document. Ensuring a more pleasant shopping experience for the customers.
- Work with and under guidance of multiple supervisors to ensure sales floor is fully stocked and operational.
- Ensure section equipment is in a safe and working order and properly assigned to specific area.
- Manage workers to ensure rules and regulations are followed in accordance with Walmart standards, issue appropriate discipline when necessary.
- Maintain contact with bulk buying customers to ensure a timely preparation of bulk bought products.
- Ensure sales floor and backroom area are cleaned and organized in accordance too Walmart standard at end of operations.

Key Accomplishment(s)

-Consistent high performance of closing lead duties resulting in five consecutive perfect score quarterly reviews of Deli/Bakery section.

Projects

2023 – Present

Capstone - Powder Coating Oven

Duties, Accomplishments, and Related Skills:

- Project Manager
- Website developer
- Finance Manager
- Prototyping and Testing Engineer
- Fundraiser
- Client liaison
- In charge of ordering the necessary tools and materials
- In charge of the BOM and Gantt Chart
- Supervised and executed the designing and manufacturing control system.
- Oversaw and enforced the manufacturing plan of the oven.
- Recommend changes in design in order to accommodate material availability and project deadlines.
- Conduct quality check meeting in order to ensure all designs meet the factor of safety.

2022 – 2023

Baja Car

Duties, Accomplishments, and Related Skills:

- CAD engineer
- In charge of ordering necessary materials
- In charge of the budget
- In charge of safety codes and regulations
- Conducted analysis on drivetrain selection

2021– 2022

Gear Car

Duties, Accomplishments, and Related Skills:

- CAD engineer
- In charge of manufacturing
- Prototyping and Testing Engineer

2022 – 2023

Measurement Device

Duties, Accomplishments, and Related Skills:

- CAD Engineer
- In charge of overseeing the manufacturing plan
- In charge of enforcing safety codes and regulations Education

2013 – 2017

Redlands East Valley High School

Degree: High School Diploma

Northern Arizona University

Degree: Bachelors

Major: Mechanical Engineer

Relevant Coursework:

EGR 186: Intro to Engineering Design

- Understanding of the design process, problem-solving techniques, teamwork, and communication skills that occur during engineering practices.
- Implementation of multiple engineering projects including but not limited to: Goldberg Device and Measurement Device.

EE 188: Electrical Engineering I

- Understanding of DC and AC circuit analysis, operational amplifiers, transducers, transformers, and AC power.

CENE 225: Engineering Analysis

- Understanding of Graphical and numerical descriptive statistics, probability, inferential statistics, discrete and continuous random variables, sampling error, hypothesis testing, experiment design, and linear regression with engineering applications.

CENE 251: Applied Mechanics Statics

- Understanding of fundamentals of applied mechanics, vector algebra, equivalent force systems, equations of equilibrium, structures, centroids, friction, moments of inertia.

CENE 253: Mechanics of Materials

- Understanding of effects of axial, flexural, torsional, and combined stresses on elastic beams, shafts, and columns.
- Understanding of the effects of erosion on buildings and bridges.

ME 180: Computer-Aided Design

- Understanding of the fundamentals of graphical communications, including sketching, computer-aided drafting, design, and parametric modeling.

ME 240: Material Sciences

- Understanding of the relationships between the microstructure of materials and their physical and engineering properties.
- Understanding of basic metallurgy/ceramic/polymer science; processing, structure, properties, and performance of engineering materials.

ME 291: Thermodynamic I

- Understanding of energy and entropy concepts, applications; first and second law principles, applications to processes and cycles.

ME 286: Engineering Design: Process

- Understanding of manufacturing processes, including machining, forming, and assembly.

ME 252: Applied Mechanics Dynamics

- Understanding of kinematics and kinetics of particles and rigid bodies using vector analysis; solution methods: force-mass-acceleration, work and energy, impulse, and momentum, translating and rotating coordinate systems.

ME 392: Thermodynamics II

- Understanding of steam and gas turbine power plants; Maxwell's relations; gaseous mixtures; combustion analysis; computer applications of first and second law principles.

ME 395: Fluid Mechanics I

- Understanding of basic laws of fluid mechanics; hydrostatics; control volume and differential analysis; incompressible and compressible flows: Bernoulli's equation; Navier-Stokes equations; dimensional analysis and similitude; empirical methods; applications to engineering problems.

ME 386W: Engineering Design: The Method

- Applying principles of effective technical writing to produce clear, concise, grammatically correct, well-organized, well-written documents: memos, proposals, and reports.
- Implementation of multiple engineering projects including but not limited to: the Baja car

ME 365: Machine Design I

- Understanding of fundamentals of mechanical design; stress, deflection, material selection, strength, and design principles; design of mechanical elements: screws, gears, shafts, and springs.
- Implementation of multiple engineering projects including but not limited to: a gear shaft system

ME 450: Heat Transfer

- Understanding of theory and application of heat transfer by conduction, convection, and radiation
- Implementation of multiple engineering projects including but not limited to: heat transfer modeling and stress-strain analysis.

ME 495: Experimental Methods Thermal Sciences

- Understanding of fundamental methods of acquiring and analyzing experimental data in the thermal sciences, including applied statistics.
- Experiments in thermodynamics, fluid mechanics, heat transfer, and thermal-fluid systems.

ME 441: Compressible Flow

- Understanding of theory, concepts, and usage of basic laws of fluid mechanics and thermodynamics as applied to compressible flow phenomena. Application of supersonic nozzles, airfoils, and turbojet fans. Introduces computational fluid dynamics.
- Implementation of multiple engineering projects including but not limited to: simulating and analyzing supersonic airfoils.

ME 476C: Mechanical Engineering Design I

- Application of design process, problem-solving techniques, teaming skills, oral and written communication skills
- Implementation of multiple engineering projects including but not limited to: designing a power coating oven.

ME 435: Wind Energy Engineering

- Understanding of concepts, theory, and design of wind energy conversion systems.
- Understanding of wind energy resources, wind turbine aerodynamics, mechanics, subsystems, design, development, economics, and policies
- Implementation of multiple engineering projects including but not limited to: designing a fully functional wind turbine.

ME 465: Machine Design II

- Understanding of fundamentals of mechanical design; stress, deflection, strength, lubrication, and design principles; design of mechanical elements: helical gears, bevel gears, worm gearing, shafts, clutches, breaks, flexible mechanical elements, bearings, permanent joints.
- Implementation of multiple engineering projects including but not limited to: manufacturing a fully functional gear and shaft system.

ME 486C: Mechanical Engineering Design II

- Application of design process, problem-solving techniques, teaming skills, oral and written communication skills
- Implementation of multiple engineering projects including but not limited to: manufacturing a powder coating oven

MAT 238: Calculus III

- Understanding of vector functions and multidimensional calculus; partial derivatives, gradients, optimization, multiple integrals, parametric curves and surfaces, vector calculus, line integrals, flux integral, and vector fields

MAT 239: Differential Equations

- Understanding of solutions of first-order differential equations, nth-order linear equations, systems of linear differential equations, series solutions.

MAT 362: Intro to Numerical Analysis

- Understanding of algorithms, computational errors, single variable equations, curve fitting, interpolation, numerical differentiation and integration, numerical solutions of differential equations, and linear systems of equations.

Licenses/ Skills

- **Work Shop Basic Training License**
- **Work Shop Advanced Vertical Mill License**
- **Machining**
- **Soldering**
- **3D Printing**
- **Control System Wiring**
- **Matlab**
- **SolidWorks**
- **Website Development**
- **Fundraising**
- **Microsoft Excel: BOM and Gantt Chart**

Affiliations/Volunteer work

2017 – 2018

Northern Arizona University
SWE (Society of Women Engineers) - Member

