

WIYOGA ATMO DARWINTO, S.T

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About Me

Innovative Mechanical Engineer with a keen understanding of web development, combining technical expertise with a passion for problem-solving. Proven ability to design, analyze, and optimize mechanical systems with precision. Skilled in leveraging programming languages and frameworks to enhance engineering solutions. Eager to contribute dynamic insights and hands-on skills to drive technological advancements in your esteemed organization.

Skills & Competence

- AutoCAD 2016 In 2D & 3D
- Solidwork 2D & 3D Design
- CNC & CAD Machine
- The Welding
- Design Graphic
- Software Engineering
- Node Js
- React js
- Mongo DB
- Python
- Microsoft Office
- Teamwork and Collaboration
- Fast Learner
- Quick Learner
- Computer Skills
- Team Collaboration
- Problem-Solving
- Presentations
- Interpersonal and Social Skills
- Research
- Goal-oriented mindset
- Multitasking and Organization
- Report Writing
- Attention to Detail
- Creativity and Innovation

Works & Experiences

Staff Supervisor (Internship)

PT Honda Menara Agung – Padang (August 2022- January 2023)

Duties and Responsibilities:

- Assist in the supervision and coordination of the team in the execution of daily tasks.
- Related Competencies : Teamwork and Collaboration, Interpersonal and Social Skills, Team Collaboration.
- Collect and analyze data for weekly and monthly reports.
- Related Competencies : Microsoft Office, Report Writing, Attention to Detail.
- Participate in the planning and implementation of company projects.
- Related Competencies : Project Management, Problem-Solving, Creativity and Innovation, Goal- oriented mindset.
- Provide administrative support, including document management and meeting scheduling.

- Related Competencies : Microsoft Office, Multitasking and Organization, Attention to Detail.
- Identify and solve day-to-day operational problems to ensure smooth work processes.
- Related Competencies : Problem-Solving, Quick Learner, Fast Learner, Computer Skills.
- Communicate with other departments to ensure synchronization and operational efficiency.
- Related Competencies : Interpersonal and Social Skills, Team Collaboration, Presentations.
- Learn and apply work safety procedures and company operational standards.
- Related Competencies : Research, Attention to Detail, Problem-Solving.
- Provide project status reporting to management and provide recommendations for improvement.
- Related Competencies : Report Writing, Presentations, Goal-oriented mindset.

Specific Competencies :

- AutoCAD 2016 In 2D & 3D, Solidwork 2D & 3D Design, CNC & CAD Machine.
- Your ability to design and use CAD software is very useful in technical projects that require detailed planning and accuracy.
- The Welding, Graphic Design, Software Engineering:
- These competencies support projects that require engineering understanding and graphic visualization, as well as software engineering capabilities for in-house system or application development.

Fullstack Web Developer (Freelancer)

Platform : Freelancer.id

(January 2023- December 2023)

Duties and Responsibilities :

- Design and develop web applications from frontend to backend .
- Related Competencies : JavaScript, Node.js, React JS, Next.js, PHP, MongoDB, Design.
- Implement responsive and user-friendly UI/UX design:
- Related Competencies : Design, Graphic Design, Creativity and Innovation, AutoCAD 2016 In 2D & 3D.
- Develop efficient and scalable APIs and backend services.
- Related Competencies Node.js.
- Work closely with cross-functional teams to identify and solve technical problems.
- Related Competencies : Teamwork and Collaboration, Problem-Solving, Interpersonal and Social Skills, Team Collaboration.
- Write and optimize database queries for maximum performance.
- Related Competencies : MySQL, MongoDB, Attention to Detail.
- Perform testing and debugging to ensure code quality and security.
- Related Competencies : Software Engineering, Attention to Detail, Problem-Solving.
- Apply best practices in software development, including version control and continuous integration.
- Related Competencies : Software Engineering, Problem-Solving, Microsoft Office.
- Create technical documentation and project reports on a regular basis.
- Related Competencies : Report Writing, Microsoft Office, Research.
- Train and provide technical support to junior team members:
- Related Competencies : Teamwork and Collaboration, Interpersonal and Social Skills, Presentations.

Specific Competencies :

- Solidwork 2D & 3D Design, CNC & CAD Machine :
- Although this competency is more specific to mechanical design and manufacturing, your understanding can be useful in projects that require integration with hardware or automated systems.

Fast Learner, Quick Learner :

- The ability to quickly learn and adapt to new technologies ensures that you stay up-to-date with the latest developments in web development.
- Multitasking and Organization.
- Able to efficiently manage multiple projects and tasks simultaneously, demonstrating good organizational and time management skills.
- Creativity and Innovation.
- Bring creative ideas and innovative solutions to technical problems and development of new features in web applications.

Education

MECHANICAL ENGINEERING - EKASAKTI UNIVERSITY

(Graduated on October 2024)

GPA : 3.43

About My education related description :

- Fundamentals of Mechanical Engineering
- Study the basic principles of mechanical engineering, including mechanics, thermodynamics, materials engineering, and dynamics of mechanical systems.
- Machine Design and CAD.
- Develop machine design skills using CAD software such as AutoCAD, SolidWorks, and other design software.
- Focus on 2D and 3D engineering drawing and machine element modeling.
- Analysis and Simulation.
- Perform performance analysis of machines and structures using numerical methods and

Simulation software such as ANSYS :

- Master stress, deformation, and fluid flow analysis techniques.
- Manufacturing Processes.
- Study various manufacturing processes such as machining, welding, casting, and fabrication.
- Understand the concepts of CNC (Computer Numerical Control) and its implementation in the

Production Process :

- Projects and Research.
- Participate in mechanical engineering projects, from the design stage to implementation.
- Conduct research and development to improve efficiency and innovation in design and

Manufacturing Processes :

- Additional Skills.
- Enhance skills in technical communication, teamwork, and project management.
- Develop presentation and reporting skills of project and research results.

DESIGNING MACHINE ELEMENT DRAWING USING AUTOCAD 2016 2D & 3D DESIGN COURSE

Platform: mindluster.com

(January 2024 – August 2024)

Description :

- Basic Understanding of AutoCAD.
 - Acquire basic knowledge of using AutoCAD 2016 to draw machine elements in 2D and 3D formats.
 - Learn user interface navigation, basic command usage, and basic object creation
- 2D Drawing Techniques.
- Learn 2D drawing techniques, including creating, editing, and managing layers.
 - Use dimensions and annotations to provide precise details on engineering drawings.
 - Master the creation of complete and accurate working drawings for machine elements.
- 3D

Drawing and Modeling :

- Develop skills in the creation of 3D models of machine elements.
- Use various 3D modeling tools such as extrude, revolve and sweep to create complex objects.
- Compose and present engineering drawings in 3D to provide better visualization.

Integration of CNC and CAD :

- Understand the basic concepts of CNC (Computer Numerical Control) and how CAD (Computer-Aided Design) interacts with CNC machines.
- Using CAD design to create machine-executable CNC programs for manufacturing processes.

Application in Machine Design :

- Apply the knowledge gained to design efficient and manufacturable machine elements.
- Complete practical projects that demand an in-depth understanding of machine design using AutoCAD.