



# TRUONG THANH

Mechatronic Engineer

## PROFILE

- As a Research Engineer with capable of researching and applying new simulation solutions to improve work efficiency and quality.
- a mechatronics engineer with experience in mechanical design, electronic circuits and basic embedded programming
- hard-working, sociable and enthusiastic

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## EDUCATION

**Hanoi University of Industry**  
09/2021 – 10/2024  
Faculty of Mechanical Engineering,  
major in  
Mechatronics.  
Graduation rating: Good  
Graduation score: 3.05/4

## HOBBIES

Listen music  
Read book  
football

## WORK EXPERIENCE

### **Dream Tech company - QC staff** **July 2024 – September 2024**

- Identify and analyze defects commonly found in the manufacturing process, such as material inconsistencies, machining errors, assembly faults, or deviations from standard procedures. Compare findings against technical specifications to pinpoint root causes and compile detailed reports, including images, descriptions, and recommended corrective measures.
- Collaborate closely with engineering, production, and quality control teams to address defects efficiently. Communicate findings, propose corrective actions, and monitor the resolution process to ensure long-term quality improvements. Provide constructive feedback to enhance production processes and minimize recurring defects.
- Adhere to established inspection procedures, technical guidelines, and safety protocols when using microscopes and other inspection tools. Maintain a clean and organized workspace while proactively suggesting process improvements to enhance efficiency and accuracy in quality control.

### **Sekai Company - Students and project support collaborators** **September 2024 – November 2024**

- Extensive training in CAD software, particularly SolidWorks, with a strong command of design tools, simulation, and workflow optimization to create high-quality technical drawings that meet strict industry standards. Proficient in extracting, analyzing, and interpreting 3D and 2D drawings with high precision, ensuring consistency between design and manufacturing.
- Not only well-versed in technical drawing principles and standards, but also equipped with a systematic design mindset, allowing for workflow optimization to enhance efficiency and minimize errors during product development. A combination of technical expertise and a professional work ethic ensures optimal



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performance and the ability to adapt flexibly to diverse and complex design requirements.

- Additionally, possessing in-depth knowledge of system design orientation and strategic thinking, focusing not only on aesthetics but also on functionality, efficiency, and practical applicability. A deep understanding of the interconnection between components within a system enables the development of optimized design solutions, contributing to improved product quality, durability, and compliance with technical and market demands.

## TDH VIETNAM INDUSTRIAL EQUIPMENT TRADING AND MANUFACTURING JOINT STOCK COMPANY - Mechanical Design Engineer

November 2024 – Now

- Working as a **System Design Engineer for Industrial Furnaces**, taking a proactive approach in researching, understanding, and clarifying project requirements to ensure a comprehensive and efficient design process. Committed to strictly adhering to project schedules while maintaining a strong focus on the quality, precision, and technical accuracy of design drawings.
- Demonstrating a high level of responsibility and attention to detail in every stage of the design process, from conceptualization to final implementation, ensuring that all designs meet industry standards and client expectations. Continuously seeking to enhance technical expertise by actively learning from experienced professionals, staying updated with the latest advancements in industrial furnace technology, and applying best practices to improve efficiency and performance.
- Maintaining a professional and collaborative working attitude, effectively communicating with colleagues, engineers, and other departments to optimize design solutions. Always striving for innovation and continuous improvement in system design, contributing to the overall success and development of industrial furnace projects.

## SKILLS

- OFFICE: WORD, EXCEL, POWERPOINT
- LANGUAGE: ENGLISH
- 2D DESIGN SOFTWARE: AUTOCAD
- 3D DESIGN SOFTWARE: SOLIDWORKS, NX
- SIMULATION SOFTWARE: SOLIDWORKS, MATLAB

## ACHIEVEMENT

- 2023: Awarded a scientific research award of the school with the theme: "Producing steel pipe cutting machines" and achieving scholarships for the first term
- 2024: Achieve scholarships to encourage learning