NGUYEN **VAN TAN**

Mechatronic Engineer

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Bien Hoa, Dong Nai, Viet Nam

SUMMARY

A highly motivated and results-driven R&D Engineer with 2 years of experience in sewing machines. Proficient in C programming, with expertise in image processing, as well as PLC and HMI applications. Skilled in interpreting mechanical, electrical drawings and familiar with basic mechanical design software. Passionate about expanding my expertise and making valuable contributions to innovative projects in a dynamic research and development environment.

EDUCATION

Ho Chi Minh city University of Technology
Bachelor's Degree in Mechatronic Engineering
2017 – 2021
GPA: 7.54

SKILLS

- C Programing
- Python & OpenCV
- PLC & HMI
- Microsoft Visual Studio
- Microsoft Visual Code
- Pycharm
- AutoCAD, SolidWorks
- Microsoft Office

- Time management skills
- Creative skills
- Problem – solving
- Research skills

LANGUAGES

- English (Pre - Intermediate)
- Mandarin (Pre - HSK3)

PROFESSIONAL EXPERIENCE

R&D Engineer
JUKI VIET NAM CO,.LTD | 2022 - Present

- Designed and programmed control systems for mechanical mechanisms, cylinders, and motors using C in Visual Studio, ensuring smooth integration of hardware and software.
- Developed image processing applications with OpenCV to detect fabric details, using Python and Visual Studio Code for coding and debugging.
- Skilled in using PLC and HMI to program and control mechanical systems, ensuring efficient automation processes.
- Improved software performance by identifying and fixing errors to meet customer requirements and ensure smooth operation.
- Prepared reports for management and provided software instructions to customers for effective usage.

R&D Intern
Bach Khoa Research Center for Manufacturing Engineering | 2019 - 2021

- Perform calculations and create detailed mechanical design drawings using AutoCAD 2D and SolidWorks 3D software.
- Design and calculate electrical equipment and create detailed electrical schematics and diagrams.
- Design control systems using PLC and HMI interfaces and create control diagrams and algorithm flowcharts.