

Nguyen Dang Binh – AI/Computer Vision Engineer



Address: Bac Ninh City

Email: [REDACTED]

Mobile/Zalo: [REDACTED]

Birthday: Jan 8th 1986

KEY STRENGTHS

- . Machine vision
- . AI engineer

Team Leader
Automation software

PROFESSIONAL EXPERIENCE

Vision Software Senior (Aug 2023 – Now): Luster LightTech, BacNinh, VN:

- Develop the low-code software from internal platforms for vision projects.
- Debug the software at AOI machine at Luxshare-ICT, Goerteck factory.

Software Engineer Senior Leader (Mar 2020 – May 2023): Electronic ACE Antenna Company | Hanoi, VN:

- Measurement and detection defect software project: Develop the vision-based software to automatically detect the faulty region and measure eccentricity and distance of mechanical components using deep learning architecture such as Medical Image Segmentation, Vision Transformer, segmentation, detection, and classification.
- Measurement of the depth software project: Develop sensor-based software to automatically measure the depth of ceramics.
- Pick and Place software project: Develop a flexible vision-guided alignment solution to quickly and precisely locate and align patterns.
- Inspection software project: Develop the visual inspection software for checking electronic and mechanical components, optical character recognition, and barcodes.
- Monitor the stage project: Analysis of the time series data from driver servo like force, current, and velocity to detect the abnormality.
- Design the hardware architecture of Lenses, Light, and Cameras and lead the concept of smart automation machines. Program the communication between the PC, embedded device, and PLC, Robot, Understand the electronic components, industrial automation.
- Debug program for AOI function in SMT Machines.

AI Engineer (July 2019 – Mar 2020): Electronic Vinsmart Company | Hanoi - VN:

- Research Smart City with recognition projects with Camera PTZ, Harassment, and Violence Recognition.

Automation Engineer (Oct 2010 – Oct 2017): Electronic Z755 Company | HCM - Vietnam

Design hardware and Program software on microcontroller AVR, ARM, and develop automation software using PLC, HMI, and Servo.

Skills: Python, C#, OpenCV, Tkinter, PyQT, WPF, C++, GUI, Tensorflow, Pytorch, protocol.

Languages: English: Upper – Intermediate

Chinese: Basic

Vietnamese: Native

EDUCATIONAL BACKGROUND

[REDACTED] Mechatronic and Sensor System Technology at Vietnamese-German University (Sep 2017 – Sep 2019). Internship at Chung Chen National University in Taiwan for 4 months. (Dec 2018-April 2019).

MBA Vietnam National University HCMC (Sep 2012 – Sep 2015).

[REDACTED] in Automation and Control (Sep 2005 – Sep 2010) Hanoi University of Science and Technology.

Certifications:

Machine Learning by Stanford University Andrew Ng 2018.

Deep Learning Specialization by Andrew Ng 2019.

Machine learning/ MLOps online course 2022