

NGUYEN DINH

THUAN MECHATRONICS ENGINEER

"As a student who has just completed a university program, I had 2 years of study and research in the laboratory of electronics and control at the university. With a sense of responsibility at work and high self-study ability, I can contribute my abilities to the development of the company where I work and perfect myself."

INFORMATION

Day of Birth : 07/16/2000

Email : thuan.nd.167@gmail.com

Phone : (+84) 333 269 276

Address : Ward 7, District 10, Ho Chi Minh City

LinkedIn : www.linkedin.com/in/dinh-thuan-nguyen-785071225/

EDUCATION

(2018 - present) : **Ho Chi Minh City University of Technology (HCMUT)**

- Waiting for graduation
- Major: Mechatronics Engineering
- GPA: 7.92/10
- TOEIC: 635/990

(2015 - 2018) : **Nguyen Thi Minh Khai High School for The Gifted - Soc Trang City**

- Mathematics

ACTIVITIES

(2019 - present) : **Bach Khoa Development Resources Team (BKDRT)**

- Member
- Organized event Team
- A team under the Youth Union and Student Union of HCMUT
- Some events: BK Dynamic Day, Xuan Tinh Nguyen, Blood Donation,...

(2018 - present) : **Blood Donation**

- 5 times

2020 : **Spring Volunteer Campaign 2021**

- Leader
- For children in a loved class

2020 : **Xuan Doan Vien 2020**

- Member
- For the poor in a mountainous district in Quang Ngai province

EXPERIENCES

(2020 - 05/2022) : **Vietnam Automation & Mechatronics Laboratory (VIAM-Lab)**

- Student researcher
- Field: Autonomous Vehicle
- Utilizing Solidworks to design mechanical models and Altium Designer to design PCB Layout from the schematic circuit.
- Researching and combining the method of locating robots, path planning algorithm (Dijkstra), the guidance algorithm (LOS), and the PID controller to control "Delivery Robot". These are programmed by using Robot Operating System (ROS), working on Ubuntu, and simulating virtual environments using Gazebo.
- Design test cases to test the programmed features on the actual model. If there are errors, coordinate with teammates to fix them.
https://github.com/thuannguyen1607/VIAM_Delivery_Robot
- Leader of "Mechatronics Team" at VIAM-Lab

SKILLS AND TOOLS

Soft skills:

- Self studying
- Teamworks
- Creativity
- ...

Tools:

- Design Mechanical Tools: Solidworks, Autocad
- Programming: C++, Python
- Others: Altium Designer, Ubuntu, Robot Operating System (ROS), Office,...

AWARD

2020 : **BKBOT ROV 2020**

- Member of "Song Tu Tay" team.
- The winner.

<https://svvn.tienphong.vn/song-tu-tay-chien-thang-tai-bkbot-rov-2020-post1282690.tpo>