Quang Nhat **Nguyen Le**

MACHINE LEARNING DEVELOPER · MECHANICAL ENGINEER

KLEVE 47533, Germany

☐ (+49)1627022542 | ✉ quangnhatnguyenle@gmail.com | 🏠 quangnhat185.github.io

Experience

Robotics Lab, Rhine-Waal University of Applied Science *Kleve, Germany*

RESEARCH ASSISTANT *Sep. 2019 - Present*

- Autonomous Self-driving Vehicles using Jetson Nano and Raspberry Pi
- Remote Laboratory based on IoT
- Tutor of the course "Introduction to Machine Learning"

Robert Bosch Engineering and Business Solutions Vietnam Company Limited *Ho Chi Minh City, Vietnam*

TECHNICAL ANALYST FOR FOREIGN TRADE *Oct. 2017 - Feb. 2018*

- Building up Master data for Foreign Trade share service included Harmonize system code, preferential determination, and export control for all products of Bosch worldwide.
- Analysis Bill of Material of product for preferential calculation.

Samsung Electronic Ho Chi Minh CE Complex *Ho Chi Minh City, Vietnam*

DIGITAL APPLIANCES ENGINEER- SENIOR STAFF *June. 2016 - Aug. 2017*

- Design and develop new models of Samsung refrigerators.
- Initiates and provides technical direction to enhance production methods, improve parts and reduce production costs.
- Develops methods, programs and plans to predict, track, and report production costs during design development.

Skills

Programming	Python, C++, Java, MATLAB, HTML/CSS/Js
System	Git, Docker, Linux
Robotics	ROS, Jetson, Arduino, Raspberry Pi
ML Frameworks	Tensorflow, Keras, Pytorch, Pandas, Scikit-learn
CAD	Siemens NX, Solidworks, Inventor, Autocad
Languages	English (C2), German (A2), Vietnamese (Mother tounge)
Office	Microsoft Word, Power Point, Excel, Latex
Others	Scientific Writing, Front-end (HTML/CSS/Js), B2 Driving License

Education

Rhine-Waal University of Applied Sciences, Kleve, Germany *Kleve , Germany*

M.SC IN BIONICS/BIOMIMETICS. FOCUS: ROBOTICS AND ARTIFICIAL INTELLIGENCE *Mar. 2018 - Present*

- GPA: 1.8 (November 2019)

Ho Chi Minh City University of Technology and Education *Ho Chi Minh City , Vietnam*

B.S. IN MECHANICAL ENGINEERING *Sep. 2012 - Aug. 2016*

- GPA: 8.1/10 : Graduated with Honors

Projects

Rhine-Waal University of Applied Sciences, Kleve, Germany
Kleve, Germany

CAPTAIN/AUTHOR
Mar. 2019 - Mar. 2020

- Master Thesis: Implementing Deep Learning for Navigation, Object Detection/Recognition on Wall-Climbing Robot.
- Side Project: Captain of self-driving mini rovers team, participating in the European autonomous vehicle traffic competition JRC AUTOTRAC 2020

Ho Chi Minh City University of Technology and Education
Ho Chi Minh City, Vietnam

CAPTAIN
Apr. 2015 - Jul. 2016

- Capstone Project: Design, Calculating and Manufacturing 5 Axis CNC Milling Machine.
- Side Project: Design, Modelling and Manufacturing Autonomous Pancake Making Machine.

Honors & Awards

2016	**Odon Vallet scholarship for excellent students in Vietnam**,	*Ho Chi Minh City, Vietnam*
2015	**Excellent oral presentation at ICMAS 2015 conference, April 13th-14th, Paris, France**,	*Paris, France*
2014	**Sunflower Mission Engineering and Technology Scholarship 2014.**,	*Ho Chi Minh City, Vietnam*

Publication

2015	**Quang Nhat Nguyen Le,** and Nguyen Truong Thinh: "Development of the bending actuator with Nafion-Pt IPMC tube". Advanced Materials Research. Vol. 1119. Trans Tech Publications, 2015.	*Paris, France*
2020	**Quang Nhat Nguyen Le,** Abir Bhattacharyya, Mamen Chembakasseril and Ronny Hartanto: "Real-time Sign Detection and Recognition for Self-driving Mini Rovers based on Template Matching and Hierarchical Decision Structure". Proceedings of the 12th International Conference on Agents and Artificial Intelligence. Vol. 1. SciTePress, 2020.	*Valletta, Malta*