

# Quang Nhat Nguyen Le

MACHINE LEARNING DEVELOPER · MECHANICAL ENGINEER

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## Experience

### 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

<b>ML Frameworks</b>	Tensorflow, Keras, Pytorch
<b>Programming</b>	Python, Java, C++, MATLAB, HTML/CSS
<b>CAD</b>	Siemens NX, Solidworks, Inventor, Autocad
<b>Robotics</b>	ROS, Jetson, Arduino, Raspberry Pi
<b>Languages</b>	Vietnamese (Mother tongue), English (C2), German (A2)
<b>Office</b>	Microsoft Word, Power Point, Excel, Latex
<b>Others</b>	Scientific Writing, Digital publication (HTML, CSS), B2 Driving License

## Education

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

Kleve, Germany

M.Sc IN BIONICS/BIOMIMETICS

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

## 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

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

## Publication

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2015	<b>Quang Nhat Nguyen Le</b> , and Nguyen Truong Thinh: "Development of the bending actuator with Nafion-Pt IPMC tube". Advanced Materials Research. Vol. 1119. Trans Tech Publications, 2015.	<i>Paris, France</i>
2020	<b>Quang Nhat Nguyen Le</b> , 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.	<i>Valletta, Malta</i>