



HUU DUC NGUYEN | Curriculum Vitae

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🐙 GitHub • 🔗 LinkedIn

EDUCATION

RWTH AACHEN UNIVERSITY

M.S. in Robotic System Engineering

CGPA: 1.8 (German GPA) \approx 3.2 (US GPA)

10/2019 - 3/2022

Aachen, Germany

HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY

B.E. in Control Engineering and Automation - Talent Program

8/2013 - 6/2018

Hanoi, Vietnam

EXPERIENCE

INTERN

Robert Bosch GmbH

Implemented coverage-related features into the robotic pipeline

11/2021 - 2/2022

Stuttgart, Germany

MASTER THESIS STUDENT

Robert Bosch GmbH

Evaluation and Adaption of Coverage Path Planning Algorithms for a Mobile Robot with Asymmetric End-Effectors

4 - 10/2021

Stuttgart, Germany

RESEARCH ASSISTANT

Hanoi University of Science and Technology

Researched Computer Vision models for Object Detection problem

2 - 6/2019

Hanoi, Vietnam

TEACHING ASSISTANT

Hanoi University of Science and Technology

Supervised experiment sessions of Process Control classes

10 - 11/2018

Hanoi, Vietnam

BACHELOR THESIS STUDENT

Hanoi University of Science and Technology

Control System Design and 3D Simulation of Two 7-DOF Robot Arms for Cooperation Task

1 - 5/2018

Hanoi, Vietnam

SKILLS

PROGRAMMING LANGUAGE

Experienced: Python | Latex Familiar: C++ | Bash | CMake

FRAMEWORKS & TOOLS

Git | CLI | Windows | Linux | Matlab | ROS | Jupyter | VSCode | Vim | Colab

LIBRARIES

Experienced: numpy | OpenCV | shapely | matplotlib

Familiar: pandas | sklearn | pytorch | tensorflow Beginner: gym

LANGUAGES

Native: Vietnamese | Fluent: English (IELTS 8.0) | Beginner: German

OTHERS

Microsoft Office | Organizational Skill | Teamwork | Event Organizing | Photoshop

HONORS & AWARDS

BEST OF CLASS AWARD

RWTH International Academy

Best Performance in Terms of Grade in Cumulative Semesters - Summer Semester 2020

Best Performance in Previous Semester - Winter Semester 2019/2020

2/2021

DEAN'S LIST

RWTH Aachen University

Among the 5 percent best students in the 2019/20 and 2020/21 academic years

2020 & 2021

EXTRACURRICULAR ACTIVITIES

PEER MENTOR

RWTH International Academy

Provided peer-to-peer mentoring for two new students

8/2020 - 12/2021

Aachen, Germany

EXCHANGE DELEGATE

Vietnam Youth Union

Attended The International Youth Conference about Media Literacy in Tokyo

Participated Regional Program in Kochi and Kagawa Prefecture

9 - 10/2018

Japan

EXCHANGE STUDENT

Temasek Polytechnic

Initiated and developed a community development project

9 - 10/2017 & 3/2018

Singapore

EXCHANGE DELEGATE

Vietnam Youth Union

Vietnam - India Youth Exchange Program

3 - 4/2017

India

EXCHANGE PARTICIPANT

AIESEC Poland

Prepared and held cultural activities for children

6 - 8/2016

Warsaw, Poland

VICE PRESIDENT HUMAN RESOURCES

AIESEC in Vietnam

Held recruitment activities and training series for members

Implemented some HR processes internally

2/2015 - 6/2016

Hanoi, Vietnam

VICE PRESIDENT

School of Economics Management English Club, HUST

2013

Hanoi, Vietnam