

# Nguyen Thien Phuoc



Date of birth April. 11<sup>st</sup> 1996  
Gender Male  
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Address 24 Nguyen Phuoc Nguyen street, Da Nang city, Viet Nam

## SKILLS

Control System modelling, control theory, identification, optimization and control, math.  
Programming C++, C#, Matlab-Simulink.  
Mechanical design Experienced in Solidworks, AutoCAD. Simulating using Matlab, V-rep.  
Embedded systems Experienced knowledge of PC base, MCU base, embedded computer base.

## EDUCATION

SEP 2014 - DEC 2018 **university of science and technology - the university of Danang**  
major: bs in control engineering and automation  
gpa: 3.18/4  
**Graduation thesis:** research and develop the controller for ball and plate system.

## WORK EXPERIENCE

AUG 2017 - APR 2018 **Electrical Engineering Laboratory - University of Science and Technology - The University of Danang**  
Internship  
Worked in several research projects.

AUG 2017 - APR 2018 **Macty Company**  
Part-time job  
Worked with industrial projects.

## PROJECTS, COMPETITION AND ACTIVITIES

AUG 2018 – DEC 2018 **Graduation Project:** Research and design the Nonlinear Model Predictive Control for ball and plate balancing system.  
**Responsibilities:** Design and implement the system including hardware and software.  
**Achievement:** Real time Nonlinear model predictive control for trajectory tracking of ball and plate system.  
*The detail, report, pictures and videos are available upon requested.*

SEP 2017 - FEB 2018 **Digital racing competition -FPT software.**  
Team leader, programmer.  
**Responsibilities:** Team leader, project manager, developer.  
**Achievement:** development of Traffic Sign Detection application based Computer-vision.

OCT 2017 - JAN 2018 **ASU/AWS EduHackathon 2017**  
Team leader, programmer.  
**Responsibilities:** Team leader, project manager, developer.  
**Achievement:** development of management software based Amazon web Services.

JUL 2017 - AUG 2017 **DAEGU-DANANG - University Student International Exchange Program**  
Exchange student

FEB 2017 - JUN 2017 **Science research competition - The University of DaNang**  
Developer  
**Responsibilities:** hardware design and implement, developer.  
**Achievement:** smart IOT manager system in restaurant.

APR 2016 - JAN 2017 **Robocon competition - The University of DaNang**  
Mechanical design  
**Responsibilities:** Design and implement robot model.  
**Achievement:** Development of self-driving robot.

## HONORS & AWARDS

2014, 2016, 2017, 2018 University of Science and Technology - The University of Danang Scholarships  
SEP 2018 Certificate of good student 2017-2018.

## LANGUAGES

ENGLISH IELTS 6.0 ( 2019-2021)