



# TU HANH NGUYEN

Vietnamese name: NGUYỄN HẠNH TÚ  
Date of birth: 9th September 1991  
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## PERSONAL STATEMENT

With 4 years' experience in R&D sector for STEM projects, I had the experience in learning new knowledge and got the chance to take part in all aspects of development from project planning to resources gathering, making the software, hardware through to deployment and support. Proven ability in problem-solving and with a huge interest in Artificial Intelligence, Data Science and Internet of Things, I am currently seeking long-term contract positions to take on practical challenges and make solid solutions.

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## EXPERIENCE

**August 2014 – March 2019: Lecturer, Ton Duc Thang University, Faculty of Electrical & Electronics Engineering, Power Engineering Department**

- Teach and assist in the courses of faculty of electrical engineering such as Power System Experiment, Power Circuit Experiment, Power Machinery Experiment I & II, Power Circuit I & II, Thermal & Refrigeration Engineering with **80% student pass the course and giving good feedback.**
- Organize **extracurricular activities**, and be advisor for two classes up to **200 students**.
- Contribute in research activities, example: **Solar Power Harvesting System with Liquid Storage.**

## PROJECTS

**July 2019- October 2019: Machine Learning E-commerce**

- Develop and deploy a web app that users can post the products, purchase products with google authentication. **Deep learning model are integrated into the web app and automatic classify products into 5 categories at the time of creating new deal**
- Related Skills: Python, Google Cloud Plaform, Javascript, HTML/CSS, , Git, Machine Learning

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## TECHNICAL SKILLS

**General Languages**

Python, JavaScript, HTML

**Machine Learning**

TensorFlow, OpenCV, Keras

**Front-end Development**

Flask, Jekyll, CSS/Sass

**Calculus and Hardware**

Linear Algebra, Electronics

## EDUCATION

**Sep 2015 – Jan 2019:**

**National Sun Yat-Sen University, Taiwan**

Master Program in Electrical Engineering

**Sep 2009 – March 2014:**

**Ton Duc Thang University, Vietnam**

Bachelor of Science: Electrical Engineering with minor in Electronics and Automation

**Rank: 1/22**

**Sep 2016- Jan 2019: Adaptive Protection system for Electric Vehicles Charging stations**

- Develop and verify an **stochastic model cover charging demand in 7 days** while ensure **adaptive protection for at least 3 popular types of malfunction**
- Related Skills: Matlab, PSCAD/EMDT, Power Electronics

**2014-2015: Solar Power Harvesting System with Liquid Storage**

- Prepare and examine resources for initial demo model, which assume can harvest **5kJ a day and store the energy for 24h**. This is enough energy for one typical 4 people household in Vietnam
- Related Skills: Fluid Transfer, Mechanical Engineering

**2012-2013: Application of Design Standard AS NZS 3000-2000 to Electric System planning in buildings**

- Investigate the compatibility of AS NZS Standard to the state of the art of electric system planning in the market in 2012
- Compare the different between **AS NZS to VN Standards** and verify **the strength, weakness** with software simulation

Related Skills: Matlab, Visual Basic, ASP.NET, Java, Ecodial.

**AWARDS**

**2017, Student Fellowship, Electrical Engineering Department, National Sun Yat-Sen University, Kaohsiung, Taiwan**

Finance support for graduate student at Electrical Engineering Department, National Sun Yat-Sen University

**2015, International Student Scholarship, National Sun Yat-Sen University, Kaohsiung, Taiwan, 2015**

Scholarship for international student who enrolling in a Graduate Program at National Sun Yat-Sen University

**2013, Ministry of Education and Training Scholarship, Ho Chi Minh City, Vietnam**

Scholarships awarded to electrical engineering students who complete a year curriculum with good GPA

**REFERENCE**

Dr. Dinh Hoang Bach, Head of Department of Electrical Power Engineering, Ton Duc Thang University

Email: Bach.H.Dinh@gmail.com

Phone: 0983842656

**ADDITIONAL SKILLS**

Logical reasoning

Observation

Decision making

Mind mapping

Design

Teamwork

Time-management

Empathy

Public speaking

Teaching and Training

Certificate for teaching and training in University, Hanoi National University of Education

**Foreign Language:**

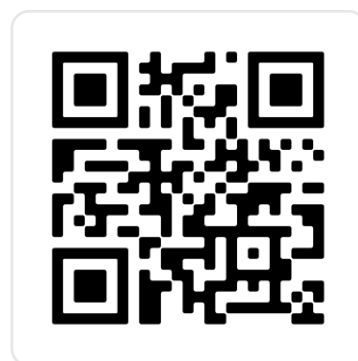
English: **TOEIC 885, IELTS 6.0**

Vietnamese: **Native**

**PERSONAL INTERESTS**

Football, swimming, traveling, reading, and cycling

**My Website**



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