

HA-NINH NGUYEN

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EXPERIENCE

04/2023 – 04/2026

RESEARCHER, FLARE WILDFIRE RESEARCH GROUP, UNIVERSITY OF MELBOURNE, AUSTRALIA

03/2021 – 03/2023

COMPUTATIONAL RESEARCHER, COMPUTATIONAL OPTIMIZATION LABORATORY, KUNSAN NATIONAL UNIVERSITY – SOUTH KOREA

04/2019 – 09/2019

MECHANICAL RESEARCHER (INTERN), VIETNAM NATIONAL SPACE CENTER

10/2018 – 11/2019

PROJECT LEADER, PRODUCT LIFECYCLE COMPETENCY CENTRE, UNIVERSITY OF SCIENCE AND TECHNOLOGY OF HANOI - VIETNAM

06/2018 – 08/2018

AEROSPACE RESEARCHER (INTERN), UNMANNED AERIAL VEHICLE LABORATORY, TAMKANG UNIVERSITY – NEW TAIPEI, TAIWAN

05/2018 – 11/2018

USER INTERFACE DESIGNER (INTERN), I. M. SYSTEMS GROUP INC. (IMSG)

EDUCATION

2023 - 2026

DOCTOR OF PHILOSOPHY – SCIENCE, UNIVERSITY OF MELBOURNE
CRESWICK, VICTORIA, COMMONWEALTH OF AUSTRALIA

2023 - 2026

DOCTOR OF PHILOSOPHY – SCIENCE, UNIVERSITY OF CORSICA PASQUALE PAOLI
CORTE, FRENCH REPUBLIC

2021 - 2023

MASTER OF MECHANICAL ENGINEERING, KUNSAN NATIONAL UNIVERSITY

GUNSAN-SI, JEOLLABUK-DO, REPUBLIC OF KOREA (R.O.K.)

2016 - 2019

BACHELOR OF SPACE AND AERONAUTICS, UNIVERSITY OF SCIENCE AND TECHNOLOGY OF HANOI (VIETNAM FRANCE UNIVERSITY)

ATTENDING CONFERENCE

- [The Korean Society of Automotive Engineers \(KSAE\) 2022 Annual Spring Conference](#), BEXCO, Busan - South Korea, June 2nd - 4th 2022.
- The 2022 Spring Conference of [The Korean Society of Mechanical Engineers](#) Honam Branch, Gunsan - South Korea, May 27th 2022.
- [International School on Photonics and Applications \(ISPA – 2020\)](#), Institute of Physics, Vietnam Academy of Science and Technology and the International Centre of Physics, Hanoi - Vietnam, November 1st - 3th 2020.
- [The APCTP School/Workshop on Gravitational-Wave Cosmology](#), Taipei - Taiwan, November 30th - December 4th 2019.
- [NARIT-EACOA Summer Workshop on Astrostatistics and Astroinformatics](#), Chiang Mai - Thailand, 13th - 17th August 2019.
- [The 7th Vietnam School of Astrophysics](#), Quy Nhon University and International Center for Interdisciplinary Science and Education (ICISE), Quy Nhon – Vietnam, 4th - 10th August 2019.
- [The 2nd NARIT-STFC Summer School in Radio Astronomy and Technology](#), Chiang Mai - Thailand, June 17th - 28th 2019.

SKILLS

- Software: CATIA V5/V6 (Mechanical Design Specialist), SolidWorks, Abaqus, HyperWorks, Simlab, COMSOL, MATLAB, Python, Proteus, Ansys.
- Soft skill: teamwork, critical thinking, dependable, flexible, communication.
- Language: Vietnamese, English (TOEIC 815, Doulingo 105), French (A2 level), Chinese*, Korean*, Japanese*.
*communication level

PROJECTS AND PUBLICATIONS

- Conceptual new design of Quadcopter Arm to enhance the Fatigue Performance by Topology Optimization and Additive Manufacturing.
 - [The Proceeding of The 8th Annual Conference of Vietnamese Young Scientists – ACVYS 2022, p. 32](#)
 - The 2022 Spring Conference of the [Korean Society of Mechanical Engineers](#) Honam Branch, no. 2022-008.
- CanSat.
- Quadcopter – Unmanned Aerial Vehicle (UAV) at Product Lifecycle Competency Centre – USTH.
- Microsat Kit Structure Developing for Hands-On Training in Design and Manufacture of Earth Observation Satellite (International Publication) at:

- [International Journal of Emerging Technology of Advanced Engineering, ISSN 2250-2459 \(Online\), Volume 8, Issue 11, November 2018.](#)
- The International Symposium on Space Technology and Science (ISTS), Japan, 2017.
- International conference in Vietnam: Space science and Technology, Vietnam, 2017.

HONORS AND AWARDS

- Winner for SAFES Travel Award Scheme, June 15th 2023.
 - Melbourne Research Scholarship, February 17th 2023.
 - Best Publication Award, 2022 Spring Conference of the Korean Society of Mechanical Engineers Honam Branch, July 20th 2022.*
 - Intensive Research Ethics Content (Science & Engineering_Mechanics), April 8th 2022.
 - Fully funded (36 000 USD) for two years master program at Mechanical Engineering department by Kunsan National University, Gunsan, South Korea, January 20th 2021.*
 - Be offered a provisional acceptance on the MSc in Aeronautical Engineering FT programme, University of Limerick, Republic of Ireland with €2000 scholarship, February 25th 2020.*
 - Be accepted a conditional offer on MSc by Research programme (production and manufacturing engineering) with research topic is “Nanoparticles Reinforced Carbon/glass fibre composites for Aerospace Applications”, Cranfield University, United of Kingdom, June 10th 2020.
 - USTH-20 prize award (be offered 20 millions VND for UAV Quadcopter project), April 22rd 2019.*
 - [CATIA V6 Mechanical Designer Specialist](#), November 11th 2018.
 - [CATIA V6 Associate - Assembly Design](#), November 11th 2018.
 - [CATIA V6 Associate - Part Design](#), November 11th 2018.
 - Certificate of internship - Tamkang University, New Taipei, Taiwan, August 16th 2018.
 - Certificate of Recognition for the competition HACKATHON 2 - USTH FABLAB, March 18th 2018.
 - Certification for Seminar Organizer - Space and Aeronautics department - USTH, January 2018.
- *Award and scholarship

VOLUNTARY WORK

- Being **National Point of Contact for Vietnam, Space Generation Advisory Council** since April of 2019 Acting as a communication channel between national student and young professional space networks and the SGAC. Forming/maintaining a local network of volunteers in Vietnam. Using the local network, help raise awareness about SGAC and its goals, and conduct activities ranging from events, national newsletters, national scholarships, policy discussions and contributions to national space policy activities.
<https://spacegeneration.org/regions/asia/vietnam>
- Volunteer certificate from CleanED - USTH, September 5th 2017.
- Letter of Thanks for the valuable voluntary contribution to one of the most important human missions - spreading knowledge about the Universe we live in - through the translation of the podcasts of the education and Public Outreach Department (ePOD) from the European Southern Observatory (ESO) into Vietnamese from European Organisation for Astronomical Research in the Southern Hemisphere (ESA), August 9th 2017.
- Creative copywriter at Hanoi Amateur Astronomy Society (HAS) from November 2016 - October 2018.