

HO DUC HIEU

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EDUCATION

Seoul National University

Department of Computer Science and Engineering, College of Engineering

- Major: Computer Science and Engineering
- Seoul National University Global Talent Full Scholarship

South Korea

Sep. 2020 - present

HUS High School for Gifted Students, Vietnam National University

Gifted class in Informatics

Vietnam

Sep. 2016 - Jun. 2019

AWARDS

- Winner and Top 3 Outstanding Interns Award in the 2020 MOST GASE Taiwan Global Talent Internship Program
- Bronze medal of Best Potential Award in the 2019 Asia-Pacific Youth Labor Trend Forum
- Gold medal in the Global Youth Leaders Summit 2019: Transforming Vision into Action through Social Innovation
- Outstanding Award in the Belt And Road Global Youth Leaders Summit 2019
- First prize in the Vietnam National Student Science and Engineering Fair 2017-2018 in the field of Systems Software
- Third prize in the Vietnam National University, Hanoi's Informatics Olympiad
- Top 20 highest scoring students in the Google Code-in 2018

PUBLICATION

- First author, "Technical research of detection algorithmically generated malicious domain names using machine learning methods", *Journal of Science and Technology on Information Security*, vol. 7, pp. 37-43, 2018

WORKING EXPERIENCE

Open Source Education Bot, Facebook

Core Maintainer

Remote Work

Jun. 2020 - Aug. 2020

- Built out a Messenger open source training bot for Developer Circles under guidance and mentorship from Facebook
- Collaborated with Facebook engineers to maintain the project, review pull requests, and manage issues
- Supported and participated in Open Source Immersion initiative run by Facebook
- Open Source: <https://github.com/fbdevelopercircles/open-source-edu-bot>

2020 MOST GASE Taiwan Global Talent Internship Program Artificial Intelligence and Green Technology

Research Intern

Taipei, Taiwan

Jun. 2020 - Aug. 2020

Supervisor: Professor Jacky Baltes

- Got selected by Ministry of Science and Technology, Taiwan to take a research internship under the supervision of Distinguished Professor Jacky Baltes from National Taiwan Normal University
- Participated in all online activities including Orientation, Featured Speech: Artificial Intelligence and Green Tech, Mandarin & Culture Course A, Cultural Experience and completed 6 weekly work logs and a final report.
- Built and deployed a product that supports the Federation of International Sports Association RoboWorld Cup; completed all workshops and challenges of FIRA RoboWorld Cup; researched on reinforcement learning and humanoid robotics.

Institute of Mathematics, Vietnam Academy of Science and Technology

Student Researcher

Hanoi, Vietnam

Jun. 2020 - Aug. 2020

Advisor: Assoc. Prof. Dr. Phan Thanh An

Project: *Aircraft Type Recognition Based on Convex Hull and Machine Learning Models*

- Received a research grant to work as a student researcher under the supervision of Associate Professor Phan Thanh An and conduct research on computational geometry and machine learning
- Hosted 6 scientific seminars on computational geometry and participated in graduate classes on convex optimization

Cinnamon AI Labs

Internship

Hanoi, Vietnam

Jan. 2018 - Jun. 2018

- Awarded Intelligence Fellows Program scholarship to join and complete an intensive AI training program focusing on natural language processing and image processing by Cinnamon AI engineers and 2 AI expert lecturers
- Accumulated knowledge on computer vision, semantic segmentation, object recognition, lexical analysis, information retrieval, name entity recognition, deep learning for text processing

Viettel Cyber Security, Viettel Group

Internship

Hanoi, Vietnam

Aug. 2017 - Dec. 2017

- Researched on machine learning to build an application in detecting wide-area botnet based on domain name resolution data of network operator for early detecting DDoS attacks
- Deployed system for detecting malicious domain names using Python with 98% accuracy on 2,000,000 domain names by using machine learning and deep learning

ACTIVITIES

Microsoft Learn Student Ambassador at Microsoft; Developer Student Club Lead at Google Developers; Mentor & Contributor at Google Code-in, Core team member at Facebook Developer Circle: Hanoi; Deputy Executive Director at SheCodesVietnam; Delegate of Global

Youth Leaders Summit 2019: Transforming Vision into Action through Social Innovation, Belt and Road Global Youth Leaders Summit 2019, Google Developer Student Club Lead Summit 2019, Asia-Pacific Youth Labor Trend Forum 2019.