

Ho Duc Hieu

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EDUCATION

- **HUS High School for Gifted Students** **Hanoi, Vietnam**
Gifted class in Informatics *Sep. 2016 – Jun. 2019*

EXPERIENCE

- **Open Source Education Bot, Facebook** **Remote Work**
Core Maintainer *Jun. 2020 – present*
 - Build out a Messenger open source training bot for Developer Circles under guidance and mentorship from Facebook
 - Collaborate with Facebook engineers to maintain the project, review pull requests, and manage issues
 - Support and participate in Open Source Immersion initiative run by Facebook
- **Institute of Mathematics, Vietnam Academy of Science and Technology** **Hanoi, Vietnam**
Student Researcher *Jun. 2020 – present*
 - Research Project: *Aircraft Type Recognition Based on Orthogonal 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 4 scientific seminars on computational geometry and participated in graduate classes on convex optimization
 - Scholar of International Graduate Summer School 2020, accumulated knowledge on analysis, linear programming, algebra, optimization and practical for modelling
- **2020 MOST GASE Global Talent Internship Program Artificial Intelligence** **Taipei, Taiwan**
Virtual Internship *Jun. 2020 – present*
 - 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 complete 6 weekly work logs
- **Cinnamon AI Labs** **Hanoi, Vietnam**
Internship *Jan. 2018 – Aug. 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** **Hanoi, Vietnam**
Internship *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

ACHIEVEMENTS & AWARDS

- **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.
- **Bronze medal of Best Potential Award in 2019 Asia-Pacific Youth Labor Trend Forum** *2019*
- **Gold medal in Global Youth Leaders Summit 2019** *2019*
- **1st prize in Vietnam National Student Science and Engineering Fair 2017-2018** *2019*
- **Top 20 highest scoring students in Google Code-in 2018** *2018*