

# DO Duy Huy Hoang

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## EDUCATION

### University of Limoges

*MSc specialize in Information Security and Cryptography*

Limoges, France

*Sept. 2020 – Present*

### University of Science and Technology Hanoi

*Bachelor of Science and Technology, Undergraduated: Good*

Hanoi, Vietnam

*Sept. 2016 – Sept. 2019*

## HONORS & AWARDS

The Science and Technology Scholarship Program for Overseas Study for Master's and Doctoral Degree Vingroup

The 20th Student Scientific Research Prize Eureka 2018

Certificat délivré par Agence pour la Protection des Programmes: Autonomous Maeght field scanner

3D Printer Assembly and Design workshop, The American center - US Embassy Hanoi

Outstanding contribution for USTH's student activities

## PRESENTATION

### PharoThings: Living programming IoT devices

*US Embassy IoT WorkShop*

May. 2019

*Hanoi, Vietnam*

### How to build a FDM 3D printer

*3D Printing Workshop - US Embassy*

July. 2018

*Hanoi, Vietnam*

## EXPERIENCE

### Software Developer

*USTH ICT Lab*

July. 2019 – Feb. 2020

*Hanoi, Vietnam*

- Development of USTH interactive virtual world using Unreal Engine
- Create a 3D interactive virtual world of University of Science and Technology of Hanoi
- Final Thesis and Dissertation: 4/4

### Intern & Software Developer

*USTH ICT Lab & IRD Vietnam*

May. 2018 – Jan. 2019

*Hanoi, Vietnam*

- Make a communication and control system that operates the scanner both from far distance through GSM and transfer data from short distance through Bluetooth
- Co-authored in the article Autonomous Maeght field scanner with Prof. Jean-Luc Maeght

## PROJECTS

### Thinkpad X1 Carbon 7th Hackintosh | *ASL*

- macOS on Thinkpad X1 Carbon 7th Generation

Oct. 2021

### Steganography with CUDA | *C/C++, CUDA*

- Hiding message, file, or even image inside another message, file or image
- GPU acceleration with CUDA

Nov. 2020

### CertifPlus | *Python, Bottle, Openssl*

- Developed a distribution process secure electronic certificate
- Request to create a certificate with their information
- The authenticity of the certificate issued electronically in the form of an image must be guaranteed
- Extract and the stamp concealed in the image by steganography and verify timestamp for verification

May. 2020

### Captive Portal | *Python, Firewall, DNS*

- Setup a DHCP and DNS server and Configuring Firewall in a precise way to protect the local network
- Created a log-in page which require authentication commercially provided Wi-Fi

Jan. 2020

## TECHNICAL SKILLS

**Languages:** Python, C/C++, JavaScript, Bash, HTML/CSS

**Developer Tools:** Git, Docker, Vim