

# Van Hao LE

## Curriculum Vitae

Hong Duc University  
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### Education

- 2020–present **PhD, Computer Science**, *Univeristy of Tours, LIFAT Laboratory, France*.  
Thesis: Real-time detection of partial video copy  
Interests : Computer Vision, Deep learning, Video retrieval
- 2014–2016 : **Master of Science, Information System**, *Vietnam National University, Vietnam*.  
Thesis: Content-based video retrieval for slide-lecture videos.
- 2009–2013 : **Bachelor of Engineering, Computer Science & Technology**, *Hong Duc University, Vietnam*.

### Publications

#### Journal

- 2020 **V.H. Le**, T.A.L. Trinh, V.N. Le, and D.T. Nguyen. A deep learning technique for fraud face detection. *Hong Duc University Journal of Science*, volume 51, pages 83–94. HDU-Publishing House, 2020.
- 2018 **V.H. Le**, T.H.H Le, and T.A.L. Trinh. Seaching for lecture slide video based on content. *Hong Duc University Journal of Science*, volume 38, pages 54–62. HDU-Publishing House, 2018.

#### International Conferences

- 2023 **Le, V.H.**, M. Delalandre, and H. Cardot. Performance characterization of 2d cnn features for partial video copy detection. In *International Conference on Computer Analysis of Images and Patterns (CAIP)*, pages 205–215. Springer, 2023.
- 2022 **V.H., Le**, M. Delalandre, and D. Conte. A large-scale tv dataset for partial video copy detection. In *International Conference on Image Analysis and Processing (ICIAP)*, pages 388–399. Springer, 2022.
- 2022 F. Rayar, M. Delalandre, and **Le, V.H.** A large-scale tv video and metadata database for french political content analysis and fact-checking. In *Conference on Content-Based Multimedia Indexing (CBMI)*, 2022.
- 2021 **V.H., Le**, M. Delalandre, and D. Conte. Une large base de données pour la détection de segments de vidéos tv. In *Journées Francophones des Jeunes Chercheurs en Vision par Ordinateur (ORASIS)*, 2021.
- 2021 **V.H., Le**, M. Delalandre, and D. Conte. Real-time detection of partial video copy on tv workstation. In *International Conference on Content-Based Multimedia Indexing (CBMI)*, pages 1–4. IEEE, 2021.
- 2019 **Le, V.H.**, The-Anh Pham, and Dinh-Nghiep Le. Hierarchical product quantization for effective feature indexing. In *International Conference on Telecommunications (ICT)*, pages 386–390. IEEE, 2019.
- 2018 T.A. Pham, **Le, V.H.**, and D.N. Le. A review of feature indexing methods for fast approximate nearest neighbor search. In *NAFOSTED Conference on Information and Computer Science (NICS)*, pages 372–377. IEEE, 2018.

## Research Experience

Hong Duc University, Vietnam

2019 - 2020 ***Fraud face detection and verification using deep learning***, HDU funding.

Principal : Generating a new dataset for training our proposed deep learning CNN network in order to detect fraud face in a camera stream.

## Teaching Assistantship

Hong Duc University, Vietnam

2012 - 2014 : DB-SQL: Introduction to Relational Databases in SQL

2018 - 2020 : WEB-Apps: Web Programming Fundamentals

## Academic Achievements & Recognitions

2013 Certificate of appreciation for whose student achieved the 2nd prize at the Vietnam National Informatics Olympic Competition, Da Nang, Vietnam

2011 Certificate of appreciation for student won the 2nd prize in the National Informatics Olympic Competition at Hong Duc University, Thanh Hoa, Vietnam

2011 Certificate of appreciation for young talented scientists, Ha Noi, Vietnam

## Computer skills

Programming Python, C/C++, C#, Java

Tools OpenCV, Numpy, Git, Conda, PyTorch, Keras, Tensorflow

Web HTML/CSS, PHP, MVC, Javascript

Database SQL, MySQL, Oracle, NoSQL

Misc  $\LaTeX$ , Linux/Windows OS

## Service

July, 2018 : Conference Secretariat: Vietnam Conference of Selected ICT Problems

May, 2023 : Conference Reviewer: ICIAP'22

## Referees

### Mathieu DELALANDRE

Assistant Professor

University of Tours, France

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### The-Anh PHAM

Associate Professor

Hong Duc University, Vietnam

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### Tri-Thanh NGUYEN

Associate Professor

Vietnam National University, Vietnam

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