**Curriculum Vitae**

 Full name: Pham Thi Kim Ngoan

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Department of Sofware Engineering

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Nha Trang University

02 Nguyen Dinh Chieu St., Nha Trang City, Vietnam

**EDUCATION**

##### **Hanoi University of Science and Technology**, Hanoi, Vietnam

MSc. in Information Technology, 2010.

##### **Hanoi University of Science and Technology**, Hanoi, Vietnam

B.A. in Information Technology, 2001.

**RESEARCH INTERESTS**

* Database programming
* Machine Learning

**RESEARCH EXPERIENCE**

1. *Building a database to synthesize Vietnamese in good quality*, supported by Nha Trang University, 2009-2010 (collaborator)
2. Research computer control application by hand gestures with 3D camera, supported by Nha Trang University, 2016-2017 (collaborator)
3. *Building an application to manage equipments in classrooms for training at NTU*, supported by Nha Trang University, 2017-2018 (instructor)

**TEACHING RESPONSIBILITY**

# Undergraduate:

* Introduction to Programming
* Programming Techniques
* Object Oriented Programming
* Database Programming

**PUBLICATIONS and PRESENTATIONS**

# Books:

1. Pham Thi Kim Ngoan, *Object-oriented programming – Practice exercises*, Nha Trang University, Vietnam, 2019
2. Dinh Dong Luong, Pham Thi Kim Ngoan et al., *Basic Computer*, Nha Trang University, Vietnam, 2019.

# Journals:

1. Trinh Van Loan, Dinh Dong Luong, Pham Thi Kim Ngoan, Le Xuan Thanh, *Building Databases for Good Quality Vietnamese Synthesis*, Journal of Science & Technology 101 (2014) 179-181.

# Presentations:

1. Dinh-Dong Luong, Pham Thi Kim Ngoan, Nguyen Duc Thang, Tae-seong Kim, *A single depth silhoutte-based hand gesture recognition for appliance interface in smart home environment*, International Conference on the development of Biomedical Engineering, pp 341-344, Vietnam, 6/2016.
2. Dinh Dong Luong, Pham Thi Kim Ngoan, *Human Computer Interface by Hand Gesture Recognition using 3D Camera*, National Conference @2016 – Hanoi Pedagogical University, Vietnam, 10/2016.
3. Dinh Dong Luong, Pham Thi Kim Ngoan, *Efficiency improvement solutions of the e-learning system*, The International Science Workshop 2017, Vietnam, 12/2017.
4. Pham Thi Kim Ngoan, *Recognize Vietnamese handwritten characters using random forests*, ICT2017 - Da Lat University, Vietnam, 12/2017.
5. Dinh Dong Luong, Pham Thi Kim Ngoan, [*An Emotion Recognition Model*](https://www.sciencedirect.com/science/article/pii/S1877050917327679) *based on face and speech*, ICT2018 – Telecommunications University, Vietnam, 12/2018.
6. Pham Thi Kim ngoan, Nguyen Hai Trieu, *Handling of learners' feedback based on classifications and topic labels*, ICT2019 – Nha Trang University, Vietnam, 12/2019.