

# CURRICULUM VITAE

## I. Personal information:

- First name: Tuan Anh                      Last name: Ngo
- Nationality: Vietnamese
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## II. Education

Inclusive dates	School	Degree
09/1992 - 06/1996	Hanoi University of Teacher's Training (now is Hanoi National University of Education) - Hanoi - Vietnam	Bachelor of Science
09/2003 - 05/2005	Asian Institute of Technology - Bangkok - Thailand	Master of Science
07/2011 - 09/2015	PhD student at School of Computer Science - University of Adelaide - Australia	PhD of Science

## III. Occupational career

Inclusive dates	Institution	Responsibility
10/1996 - 08/2003	Department of Informatics - Faculty of Technical Teacher Training - Hanoi University of Agriculture (renamed as Vietnam National University of Agriculture from 3/2014) - Hanoi - Vietnam	Lecturer
09/2003 - 05/2005	Asian Institute of Technology - Bangkok - Thailand	MSc in Computer Science
06/2005 - 10/2005	Department of Informatics - Faculty of Technical Teacher Training - Hanoi University of Agriculture - Hanoi - Vietnam	Lecturer
10/2005 - 02/2007	Department of Computer Science - Faculty of Information Technology - Hanoi University of Agriculture - Hanoi - Vietnam	Deputy Head of Department
03/2007 - 07/2011	Department of Computer Science - Faculty of Information Technology - Hanoi University of Agriculture - Hanoi - Vietnam	Head of Department
08/2011 - 09/2015	School of Computer Science - University of Adelaide - South Australia - Australia	PhD in Computer Science; President of Vietnamese Student Union in South Australia (VISA)
10/2015 - 05/2016	Department of Computer Science - Faculty of Information Technology - Vietnam National University of Agriculture - Hanoi - Vietnam	Senior Lecturer
06/2016 - now	Center for Quality Assurance - Vietnam National University of Agriculture - Hanoi - Vietnam	Director

#### **IV. Major research area**

1. Computer Graphic
2. Machine Learning
3. Computer Vision
4. Medical Image Analysis

#### **V. Projects**

1. Project: Research on designing an eLearning system for teaching and learning informatics in Hanoi University of Agriculture

Responsibility: Principle Investigator

Funded by: Ministry of Education and Training in Vietnam (MOET)

Duration: 1/2006-12/2007

#### **VI. Publications**

##### **Master and PhD theses**

1. “Online Security Transactions”, Master thesis, Asian Institute of Technology, Bangkok, Thailand, 2005.
2. “Medical Image Segmentation Combining Level Set Method and Deep Belief Networks”, PhD thesis, The University of Adelaide, Australia, 2015.

##### **Book Chapter**

1. One chapter in the book “Deep Learning and Convolution Neural Network for Medical Image Computing”, Springer 2017 (ISBN 978-3-319-42999-1).

##### **Conference and Journal papers**

1. Nguyen Hai Thanh, Nguyen Thi Thuy, **Ngo Tuan Anh**, “Data clustering with fuzzy theory’s application”, Proc. of The first National Conference of Applied Mathematics, National University Publishing House, Hanoi Dec 23-25, 1999
2. Nguyen Hai Thanh, Nguyen Thi Thuy, **Ngo Tuan Anh**, “An approximate algorithm for fuzzy cluster analysis and its applications”, Proc. of MIF’99: The International symposium on Medical Informatics and Fuzzy technology, pp. 286-290, August 26-29,1999.
3. **Ngo Tuan Anh**, “Secure online model for traditional method of payment- Letter of Credit (LC)”, Proc. of Conference of Mathematical Application and Information Technology- Faculty of Information Technology-Hanoi University of Agriculture, 2006.
4. **Ngo Tuan Anh**, Tran Vu Ha, “Research on designing an eLearning system for teaching and learning Informatics”, Journal of Science and Development- Hanoi University of Agriculture, pp. 192-202, Issue No.2, 2009
5. **Tuan Anh Ngo**, Gustavo Carneiro, “Left ventricle segmentation from cardiac MRI combining level set methods with deep belief networks”, *IEEE International Conference on Image Processing (ICIP)*, 2013.
6. **Tuan Anh Ngo**, Gustavo Carneiro, “Fully Automated Non-rigid Segmentation with Distance Regularized Level Set Evolution Initialized and Constrained by Deep-structured

Inference”, *IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)*, 2014.

7. **Tuan Anh Ngo**, Gustavo Carneiro, “Lung Segmentation in Chest Radiographs using Distance Regularized Level Set and Deep-Structured Learning and Inference”, *IEEE International Conference on Image Processing*, 2015.

8. **Tuan Anh Ngo**, Zhi Lu and Gustavo Carneiro, “Combining Deep Learning and Level Set for the Automated Segmentation of the Left Ventricle of the Heart from Cardiac Cine Magnetic Resonance”, *Medical Image Analysis Journal*, 2016.

## **VII. Highlights**

1. Received the award “Dean’s Commendation for Doctoral Thesis Excellence” from The University of Adelaide.

2. Selected as one of three Vietnamese students in Australia for “The Star of January (Sao Tháng Giêng) award” given by The Central Executive Committee of the Vietnam Student Association for outstanding achievements in scientific research and contributions to Vietnamese Student Union in South Australia (VISA) in 2015.

3. [ICIP'13 paper] was selected as top 10% of accepted papers of the conference.

4. Scholarship of Vietnamese Government and University of Adelaide for PhD research in Australia.

5. Scholarship of Vietnamese Government for Master's degree study in Thailand.