

## RESEARCH INTERESTS

I have strong background in Mathematics and Computer Vision. My research interests are object detection, object recognition and scene understanding using deep learning.

## EDUCATION

University of Science, Vietnam National University HCMC

Sep 2012 – Sep 2016

- Honors Program, Bachelor of Science in Computer Science.
- Overall GPA: **9.27/10.0** (First class with distinction, rank **1/500**)

## PUBLICATIONS

1. **Dinh-Luan Nguyen**, Pierre-Luc St-Charles, Guillaume-Alexandre Bilodeau, “**Non-planar Infrared-Visible Registration for Uncalibrated Stereo Pairs**”, *IEEE Conference on Computer Vision and Pattern Recognition Workshops (CVPRW 2016)* [Oral]
2. **Dinh-Luan Nguyen**, Minh-Triet Tran, “**VFSC: A Very Fast Sparse Clustering to Cluster Faces from Videos**”, *Asian Conference on Computer Vision Workshop (ACCV workshop 2016)*
3. Vinh-Tiep Nguyen, **Dinh-Luan Nguyen**, Minh-Triet Tran, Duy Dinh Le, Duc Anh Duong, Shin’ichi Satoh, “**Query-Adaptive Late Fusion with Neural Network for Instance Search**”, *International Workshop on Multimedia Signal Processing (MMSP 2015)* [Oral] [Top 10% Paper Award] [Student Travel Grant IEEE 2015]
4. **Dinh-Luan Nguyen**, Vinh-Tiep Nguyen, Minh-Triet Tran, Atsuo Yoshitaka, “**Deep Convolutional Neural Network in Deformable Part Models for Face Detection**”, *Pacific Rim Symposium on Image and Video Technology (PSIVT 2015)* [Oral]
5. **Dinh-Luan Nguyen**, Vinh-Tiep Nguyen, Minh-Triet Tran, Atsuo Yoshitaka, “**Adaptive WildNet Face Network for Detecting Face in the Wild**”, *International Conference on Machine Vision (ICMV 2015)* [Oral]
6. **Dinh-Luan Nguyen**, Vinh-Tiep Nguyen, Minh-Triet Tran, Atsuo Yoshitaka, “**Boosting Speed and Accuracy in Deformable Part Models for Face Image in the Wild**”, *International Conference on Advanced Computing and Applications (ACOMP 2015)* [Oral]

## RESEARCH EXPERIENCES

Max Planck Institute for Software Systems, Germany

Oct 2016 – Feb 2017

- Research in Computer Vision in Mobile Security using Deep Learning
- Advisor: Prof. Peter Druschel

European Organization for Nuclear Research (CERN)

Jun 2016 – Aug 2016

- Research in Web developing of Pixel Detector
- Advisor: Dr. Clemens Lange

*Images and Video Processing Laboratory (LITIV Lab)*

- Research in Non-planar Thermal – Visible video registration
- Advisor: Prof. Guillaume-Alexandre Bilodeau

**National Institute of Informatics, Japan**

Mar 2015 – Sep 2015

**University of Information Technology, Vietnam National University Ho Chi Minh city, Vietnam**

*Multimedia Communications Lab (MMSLab)*

- Member of NII-UIT team research in Large Scale video search
- **Runner Up (2015)** team in TRECVID INSTANCE SEARCH competition of NIST

**Japan Advanced Institute of Science and Technology, Japan**

Jan 2015 – Mar 2015

*Image Information Processing Lab (Yoshitaka Lab)*

- Research in Novel Framework on Video Processing that fits to Human Perception.
- Advisor: Prof. Atsuo Yoshitaka

**University of Science, Vietnam National University Ho Chi Minh city, Vietnam**

Sep 2013 – Sep 2016

*Multimedia - Computer Vision Lab*

- Research in Human-Computer Interaction
- Advisor: Prof. Minh-Triet Tran

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**SELECTED HONORS/ AWARDS**

➤ **Academic Awards**

- ✓ **Top 10% Paper Award** in MMSP 2015 international conference
- ✓ **Mitacs Globalink** Research Award 2015
- ✓ **Golden Globe Award** for the 10 Most Outstanding Youths in Information and Communication Technologies of Vietnam 2015
- ✓ **Runner Up (2015)** team in TRECVID INSTANCE SEARCH competition of NIST
- ✓ **Dean's List**, Outstanding student with **highest GPA (Top 1)** of Honors Program, Faculty of Information Technology in 4 years 2012 – 2016
- ✓ **Member in** ACM/ICPC team Vietnam **National** Programming Olympiad 2015 – 2016, 2014 – 2015, 2013 – 2014
- ✓ **Third prize** in Vietnam National Mathematical Olympiad 2012

➤ **Prizes**

- ✓ **Student Travel Grant** IEEE 2015
- ✓ **Medal "Youth Creativity"** of Central Youth Union 2015
- ✓ **Honors** of Ministry of Science and Technology and Central Youth Union for being excellent in Information and Communication Technologies 2015
- ✓ **First Prize** in Undergraduate Research Competition, Ministry of Science and Technology, Vietnam 2016
- ✓ **Top 10** in Vietnam National Microsoft Imagine Cup 2015
- ✓ **Top 9** in "Talents of Vietnam" Award 2015, 2016
- ✓ **Honors** of Ho Chi Minh City, Vietnamese Government in Scientific research and study in 4 consecutive years 2012-2016

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**AFILIATIONS**

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| ✓ IEEE Student Member                           | Aug 2015 – present |
| ✓ IEEE Signal Processing Society Student Member | Sep 2015 – present |
| ✓ ACM Student Member                            | Apr 2016 – present |

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**EXTRACURRICULAR ACTIVITIES**

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| <b>Vietnam Delegate</b><br><i>International Student Science Forum (ISSF)</i>                    | Apr 2016 |
| <b>Vietnam Delegate</b><br><i>Vietnam - Japan exchange culture</i>                              | Mar 2016 |
| <b>Vietnam Delegate</b><br><i>Research Workshop on Computer Science and Information Systems</i> | Jan 2016 |
| <b>Ho Chi Minh city representative</b><br><i>2<sup>nd</sup> Vietnam Youth Talent</i>            | Dec 2015 |
| <b>Vietnam Delegate</b><br><i>JENESYS 2.0 program between Japan – Asian Government</i>          | Sep 2014 |

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**REFERENCES**

✓ **Prof. James D. Foley**

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Georgia Institute of Technology  
777 Atlantic Drive NW, Atlanta, GA 30332  
Phone: 404/385-1467  
Email: [james-foley@vefsta.vn](mailto:james-foley@vefsta.vn)

✓ **Assoc. Prof. Minh-Triet TRAN**

Deputy Head of Software Engineering Department  
Deputy Head of Artificial Intelligence Laboratory  
Assistant Dean of Honors Program, International and Scientific Affairs  
Faculty of Information Technology  
University of Science, VNU-HCMC  
Email: [tmtriet@fit.hcmus.edu.vn](mailto:tmtriet@fit.hcmus.edu.vn)

✓ **Prof. Guillaume-Alexandre Bilodeau**

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Polytechnique Montréal  
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