

# Hieu Minh Bui

## PhD, Data Engineer

Two years of experience in big data mining and computer vision, involves designing and deploying automatic user assessment systems in fintech field.



## WORK EXPERIENCE

Dec 2018 - May 2020: Research Engineer at TrustingSocial

Developed and deployed big data pipelines to estimate credit score for more than 500 millions users across Vietnam and India

Apr 2017 - Nov 2017: Research Assistant at RMIT University

Recommended monitoring solutions to measure air quality in HCM city given budget constraints. Build software script to deploy a prototype monitoring network of 4 stations across the city.

Jun 2017 - Aug 2017: Lecturer at RMIT University

Delivered Calculus 101 course to engineering and business students.

Oct 2013 – Apr 2014: Internship at CENTIC

Built various FPGA modules, includes hardware encryptor, data interface, and routing pipeline.

## QUALIFICATIONS

Oct 2018: PhD in Computer Vision at RMIT University

Jul 2014: Master of Electronics and Computer Engineering at RMIT University

May 2012: Grad. Cert. of Business Administration at RMIT University

Aug 2011: Bachelor of Electronics & Communication Engineering at Danang Uni. of Technology

## AWARDS

2018: RMIT Incentive award for publication in top 25% of journals

2014: Full scholarship to study PhD at RMIT University

2011: AUSAID scholarship to study Master at RMIT University

2011: 2nd prize for student scientific research

## PUBLICATIONS

- [1] "Randomized dimensionality reduction of deep network features for image object recognition," SigTelCom 2018
- [2] "Object Recognition Using Deep Convolutional Features Transformed by a Recursive Network Structure," IEEE Access 2016.
- [3] "Using grayscale images for object recognition with convolutional-recursive neural network," ICCE 2016.
- [4] "Dual PTZ cameras approach for security face detection," ICCE 2014.

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📍 Ho Chi Minh, Vietnam

## SKILLS

- Programming:
  - Python
  - Matlab
  - Java
  - C++
- Statistical analysis
- Big data analysis
- Machine learning
- Computer vision
- Circuit design
- Professional writing

## LANGUAGES

Vietnamese: ●●●●●●●●

English: ●●●●●○

Chinese: ●○○○○○

## HOBBIES

Trekking

Music

Photography