

Thanh Minh Vo

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Research Area

Machine Learning, Deep Learning, Imbalanced Data Problem, Computer Vision.

Skills

Programming	📌 Python, Java (Android), MatLab (proficient), C + + , SQL (prior experience).
Data Science	📌 Algorithms, Data Structure, Computer Vision, Machine Learning.
Frameworks	📌 TensorFlow, Pytorch, Keras, Scikit-Learn, Pandas (proficient).
Databases	📌 MySQL, MongoDB (prior experience).
Languages	📌 English (professional working proficiency). Vietnamese (native). Korean (basic).

Employment History

04/2019 – Now	📌 Data Scientist. Shopee, Singapore.
03/2017 – 03/2019	📌 Research Assistant, Imaging and Intelligent Systems Laboratory Sejong University. Research topics: imbalanced data, bankruptcy problem, 3D face reconstruction, head pose estimation, gaze tracking.
02/2016 – 08/2016	📌 Research Assistant, University of Science, Ho Chi Minh City, Vietnam. Research topics: human activity detection, human activity recognition.
03/2016 – 03/2017	📌 Software Engineer. VNG Corporation. - Android developer. - Implemented graphic animation using native C in Android for Zalo OTT. - Implemented push notification for Laban Key application. - Researched NED (Named Entity Recognition) for Laban Key application.
05/2015 – 07/2015	📌 Software Engineer, Intern. Orient Software Company. - Full stack developer in JavaScript - MEAN Stack (MongoDB, ExpressJS, AngularJS, NodeJS) - Implemented customer websites in Single Page Application. - Implemented server, database, api using NodeJS, MongoDB.

Education

03/2017 – 03/2019	📌 M.Sc. Computer Science, Sejong University, Republic of Korea. GPA: 4.25/4.5 Thesis title: <i>Interpolating Scattered Feature Points using Gaussian Radial Basis Function for 3D Dense Face Modeling.</i>
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Education (continued)

10/2012 – 10/2016

■ **B.Sc. (Hons) Advanced Program in Computer Science, University of Science, Ho Chi Minh City, Vietnam.**

GPA: 3.69/4.0

Thesis title: *Human Activity Detection and Recognition from RGBD Images*

Research Publications

Journal Articles

- 1 Le, C. T., **Vo, M. T.**, Vo, D. B., Eenjun, H., Seungmin, R., & Baik, S. W. (2019). Improving Electric Energy Consumption Prediction using CNN and Bi-LSTM. *Applied Science - IF: 2.52*, 9(20). 🔗 <https://doi.org/10.3390/app9204237>
- 2 Le, C. T., **Vo, M. T.**, Vo, D. B., Lee, M. Y., & Baik, S. W. (2019). A Hybrid Approach Using Oversampling Technique and Cost-Sensitive Learning for Bankruptcy Prediction. *Complexity - IF: 2.59*, 2009. 🔗 <https://doi.org/10.1155/2019/8460934>
- 3 Le, C. T., Le, H. S., **Vo, M. T.**, Lee, M. Y., & Baik, S. W. (2018). A Cluster-Based Boosting Algorithm for Bankruptcy Prediction in a Highly Imbalanced Dataset. *Symmetry - IF: 1.2*, 10(7), 250. 🔗 <https://doi.org/10.3390/sym10070250>
- 4 **Vo, M. T.**, Nguyen, T., & Le, C. T. (2018a). A Hybrid Framework for Smile Detection in Class Imbalance Scenarios. *Neural Computing and Applications - IF: 4.66*, 1–10. 🔗 <https://doi.org/10.1007/s00521-019-04089-w>
- 5 **Vo, M. T.**, Nguyen, T., & Le, C. T. (2018b). Race Recognition Using Deep Convolutional Neural Networks. *Symmetry - IF: 1.2*, 10(11), 564. 🔗 <https://doi.org/10.3390/sym10110564>

Conference Proceedings

- 1 **Vo, M. T.** & Kong, S. G. (2017). Depth Estimation of a 3d Face Model from a 2D Face Image. In *Proceedings of the UKC-2017*. Washington DC, USA.

Miscellaneous Experience

Awards and Achievements

2017 – 2019 ■ **Full Master scholarship**, Sejong University, Seoul, Republic of Korea.

2015 ■ **Merit Award**, Department Prize for Outstanding Student Performance, University of Science, Ho Chi Minh City, Vietnam.

Certification

2017 ■ **Certified Deep Learning with TensorFlow**. Awarded by IBM Cognitive Class.