Thanh Minh Vo

✉ vmthanhit@gmail.com   ⓢ luckyluck379   **git** vmthanh   🔗 thanh-minh-vo

Research Area

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

Skills

Programming	▮ Python, Java, MatLab, C++.
Data Science	▮ Algorithms, Data Structure, Computer Vision, Machine Learning.
Frameworks	▮ TensorFlow, Pytorch, Keras, Scikit-Learn, Pandas.
Databases	▮ MySQL.
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: *Interpolating Scattered Feature Points using Gaussian Radial Basis Function for 3D Dense Face Modeling.*

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. **Vo, M. T.**, Nguyen, T., & Le, C. T. (2020). Robust Head Pose Estimation Using Extreme Gradient Boosting Machine on Stacked Autoencoders Neural Network. *IEEE Access - IF: 4.09, 8(20)*, 3687–3694. 🔗 https://doi.org/10.1109/ACCESS.2019.2962974

2. 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(1)*. 🔗 https://doi.org/10.3390/app9204237

3. 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

4. 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

5. **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

6. **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.

Certification

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