Kexin Ding

449 Carlton Ave, Bethlehem, PA
Tel: (+1)-4847477743, Email: ked317@lehigh.edu

Summary

- Have a strong enthusiasm in computer vision and NLP by using deep learning methods.
- Ability to work with computer vision and NLP in academic and familiar with machine learning algorithms.
- Experience with report writing and demonstrated skills in professional communication.
- Have a strong interest in communicating and working with others.

EDUCATION

Lehigh University   **Bethlehem, US**
Major: M.S. in Computer Science   **Graduation: May 2019**
- GPA: 3.38

Xidian University   **Xi'an, China**
Major: B.S. in Intelligent Science & Technology   **09/2013-06/2017**
Minor: Computer Science
- Cumulative GPA: 80/100, Major GPA 85/100

RESEARCH PROJECTS

Bidirectional-LSTM with attention for relation classification, Bethlehem, US   **08/2018-now**
- Map word into low dimension vector (Embedding layer) and utilize BLSTM to get high level features.
- Produce a weight vector, and merge word-level features into a sentence-level feature vector.
- Evaluate the model we utilized with the other neural network

Image Caption, Bethlehem, US   **10/2017-11/2017**
- Build a model by utilizing CNN to image and LSTM to word to achieve the image/word-level feature.
- Train model by using flickr30k.
- Utilize the trained model to generate caption for image.

Human activity recognition by neural network, Bethlehem, US   **11/2017-12/2017**
- Utilize different neural network (LSTM and bidirectional-LSTM) to recognize human activity.
- Generate confusion Matrix to evaluate the results by using different neural networks.

Kaggle Competition: MOOC Dropout Prediction, Bethlehem, US   **11/2017-12/2017**
- Data preprocessing: after observing his/her early course activities, design different feature and found the relationship between the original dataset.
- Build a predictor (contains different data mining algorithms: kmeans, Xgboost, randomforest) that can predict the chance that a student will drop out an enrollment.

INTERNSHIPS

Intelligent Chip Engine Tech Co. Ltd.   **Beijing, China**
Image Algorithm Engineer   **07/2016-09/2016**
- Designed and modified the algorithms related to image/video intelligent analysis and processing.
- Conducted algorithm code implementation, optimization and transplantation.

LEADERSHIP/ACTIVITIES

- Director of Organization Dept. of College League Committee   **09/2014-06/2015**

HONORS/AWARDS

- One-Subject Scholarship, Xidian University   **09/2015&09/2016**
- 3rd Prize in "Xinghuo Cup", School of Electrical Engineering   **09/2014**
- Excellent Student Leader, Xidian University   **05/2014**

LANGUAGES/SKILLS/HOBBIES

Computer Skills: Java, Python, C, Scala, Microsoft word, Microsoft excel
Language Skills: English, Mandarin