Xiaohe Xue

+86 15611007678 | jakewill0922@gmail.com

Unit 1, Building 4, Rongqiao Xinyuan, Dianzi West Street, Yanta District, Xi'an, Shaanxi, China

EDUCATION

University of Minnesota, Twin Cities

September 2016 – May 2017, Minneapolis, U.S.

Undergraduate Exchange Program, Computer Science, GPA: 3.25/4.0

- Relevant Coursework: Programming Graphics and Games, Intro: Artificial Intelligence, Intro Compilers, Visualization

Beijing Jiaotong University

Sep 2014 – July 2018, Beijing, China

Bachelor of Engineering, Software Engineering, GPA: 88.2/100

- Earned: Outstanding Academic Records Scholarship in BJTU(2014-2015), State Scholarship in China Scholarship Council(2016-2017), Outstanding Student in State Key Laboratory of Computer Architecture(Chinese Academy of Sciences) in 2017
- Relevant Coursework: Introduction to Software Engineering, Data Structure, Computer Network, Database System

PUBLICATIONS

Luo C., Zhan J., Xue X., Wang L., Ren R., Yang Q. (2018) Cosine Normalization: Using Cosine Similarity Instead of Dot Product in Neural Networks. In: Kůrková V., Manolopoulos Y., Hammer B., Iliadis L., Maglogiannis I. (eds) Artificial Neural Networks and Machine Learning – ICANN 2018. ICANN 2018.

PROJECTS

Research on Cosine Normalization Based on Recurrent Neural Network

Institute of Computing Technology, Chinese Academy of Sciences

June 2017 – March 2018, Beijing, China

Research Assistant

- Responsibility: contributed to the Cosine Normalization in State Key Laboratory of Computer Architecture, ICT, CAS.   In deep learning, previous studies on CN demonstrated its excellent performance of Normalization in FCN (Fully Connected Networks) and CNN (Convolutional Neural Networks), but the research about CN based on RNN is empty.   My research aimed at applying CN on RNN and to ensure it could maintain excellent performance through various RNN experimental models.
- Outcome: successfully verified the excellent performance of Cosine Normalization in RNN.

Simple Compiler Applied to the Programming Language – Tiger

January 2017 – May 2017, Minneapolis, U.S.

Individual Course Project

- Tools: Standard-ML, Linux
- Techniques: Functional Programming, Fundamentals of Compiling, Regular Expression

Studies on Key Techniques of Image-based Target Retrieval and Identification
April 2016 – April 2017, Beijing, China
Participant
- Tools: Python, MySql, VLFeat
- Techniques: Computer Graphics, Data Structure, Data Mining

EXPERIENCE

Shanghai Shuguo Technology Co., Ltd
July 2015 – August 2015, Xi'an, China
Trainee
- Android Software Learning and Development

LEADERSHIP

Chinese Software Innovation Contest
Dec 2017 – Mar 2018, Beijing, China
Leader of the team
- Project: Video Retrieval System Based on Deep Learning
- Techniques: Video Classification Based on Deep Learning, NLP, Computer Graphics

SPECIAL SKILLS

- IT Skills: C/C++, Python, Java, Clojure, JavaScript, HTML, Standard-ML, Tensorflow, Chainer, Pytorch, WebGL, Android, D3.js, Node.js, VLFeat, Linux, Windows, MacOS, Mysql, Git, Unreal Engine
- Languages: Mandarin (Native), English (Fluent)