刘岩 – 简历

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教育背景

2014-至今 澳门大学，计算机与信息科学专业（硕士）
GPA 3.51/4.0
研究方向：机器学习，计算机视觉，自然语言处理

2009-2013 重庆大学，软件工程专业（学士）
GPA 3.11/4.0

工作经历

2014，9 月–至今 数据驱动智能系统实验室
研究助理

研究方向 1： 用机器学习和深度学习构建重排序模型，处理机器翻译中重排序问题，在整体上提升机器翻译的效果。

技术： 特征预处理和重排序网络的搭建(MATLAB)，机器翻译开源软件的使用(Moses)，机器学习算法(Extreme Learning Machine）的研究

成果：

- 论文《Translation Hypothesis Re-ranking Based on Scaled Sorted Classification Re-ranking and Extreme Learning Machine》（中英翻译效果提升 6.5%，被 ELM2016 Conference 接收，推荐到《Cognitive Computation》，第一作者）
- 论文《Cascaded Re-ranking Modelling of Translation Hypotheses using Extreme Learning Machines》(中英翻译效果提升 11.6%，《Applied Soft Computing》审核中，第一作者)

研究方向 2： 用机器学习和结合深度学习处理计算机视觉中物体识别问题，集中于对 CIFAR-10，CIFAR-100，ImageNet 等图像数据库的研究.

技术 图像处理(MATLAB)，特征提取深度网络的搭建(MATLAB，Python)，深度学习开源软件的使用(CAFFE，Tensorflow)，机器学习算法（Extreme Learning Machine）的研究

2014，3 月–2014，6 月 易思博软件开发有限公司
负责华为公司所开发之网关系统的部署，安装与交付
工作任务： 网络硬件的部署与安装，网关系统的安装与配置，网关设备的检修与维护
技术: Python，Linux，计算机网络

个人技能

- **英语技能:** CET6
- 熟练掌握 MATLAB 编程语言，机器学习算法，熟悉常用数据结构，机器学习部分开源软件的使用，熟悉 Linux 操作，C/C++，Java，Computer Vision;，Python 等语言。

奖励

2010 年重庆大学优秀团员干部

证书

2015，11 月 《Machine Learning》(在线无学分) 课程证书 斯坦福大学

2015，11 月 《Programming for Everybody (Getting Started with Python)》(在线无学分)课程证书 密歇根大学

2015，12 月 《Python Data Structure》(在线无学分)课程证书 密歇根大学

Liu Yan – Resume

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Education Background

2014-now Master in Computer of Information Science - University of Macau

GPA 3.51/4.0

Research Area: Machine Learning; Natural Language Processing; Computer Vision

2009-2013 Postgraduate in Software Engineering- ChongQing University

GPA 3.11/4.0

Work Experience

Sep. 2014 – Now Data-Driven Intelligent Systems Laboratory

Research Assistant

Research Area 1: Using Machine Learning and Deep Learning to construct a re-ranking model, to process the problem of re-ranking in Machine Translation and elevate the translation result of natural language processing.

Technologies: Feature Pre-processing and re-ranking model construction（MATLAB）, utilization of open source software in Machine Translation(Moses), the research of Extreme Learning Machine algorithm

Fruits:

- Paper<< *Translation Hypothesis Re-ranking Based on Scaled Sorted Classification Re-ranking and Extreme Learning Machine* >> (Result elevation of Chinese-English corpus with 6.5%, Accepted by ELM 2016 Conference, Recommended to <<*Cognitive Computation*>>, First Author)
- Paper<< *Cascade Re-ranking Modelling of Translation Hypotheses using Extreme Learning Machine*>> (Result elevation of Chinese-English corpus with 11.6%, Under Review by <<*Applied Soft Computing*>>, First Author)

Research Area 2: Using machine learning algorithm and deep learning algorithm to do object recognition in computer vision area， focus on the research of CIFAR-10, CIFAR-100, ImageNet image database.

Technologies: Image pre-processing(MATLAB), construction of deep neural to extract features (MATLAB, Python), utilization of open source software in deep learning(CAFFE, Tensorflow), the research of Extreme Learning Machine algorithm

Mar. 2014 – Jun. 2014 BroadenGate Software Infrastructure

The deployment, installation and deliver of web gateway which developed by Huawei Co. Ltd.

Tasks: Development and installation of network hardware, Installation and configuration of network gateway, Inspection and maintenance of network equipment.

Technologies: Python, Linux, Computer Network

Person Skills

- **English Skills:** CET-6
- Good at MATLAB Programming Language, Machine Learning Algorithm, Familiar with data structure, familiar with open-source software in Machine Learning, Linux OS, C/C++, Java, MATLAB and Python

Award

2010 outstanding member leader in ChongQing University

Certificates

Nov. 2015	<<Machine Learning>> (online non-credit course)	Stanford University
Nov. 2015	<<Programming for Everybody(Getting Started with Python)>> (online non-credit course)	University of Michigan
Dec. 2015	<<Python Data Structure>> (online non-credit course)	University of Michigan