Hangyu Lin

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EDUCATION

FUDAN UNIVERSITY
M.S. in Statistics (Machine Learning)
Sep 2018 - Present | Shanghai
Ave GPA: 3.86 / 4.0
Cum Rank: 1 / 31

FUDAN UNIVERSITY
B.E. in Software Engineering (Data Science And Big Data)
Sep 2014 - Jun 2018 | Shanghai
Ave GPA: 3.63 / 4.0
Cum Rank: 3 / 36
Major GPA: 3.93 / 4.0

COURSEWORK

M.S. Courses
Advanced Statistical Learning (A)
Semiparametric Statistics (A)
Advanced Statistical Methods (A)
B.E. Courses
Advanced Calculus (A)
Data Visualization (A)
Statistics: Principle, Methods and R (A)
Introduction to Computer System (A)

COURSEPROJECTS

Image Recognition
(Implement many machine learning and deep learning methods)
Chinese Word Segementation (CRF,HMM)
Pacman Contest
(Q-learning, Minimax Search, Monto-carlo Tree Search,and particle filter)
WindFlow Visualization

SKILLS

PROGRAMMING
Fluent at
Python • C • C++ • LaTeX
Familiar with:
Java • JavaScript • CSS
MACHINE LEARNING
Pytorch • Keras • Tensorflow • MXnet
OPERATING SYSTEM
Linux • Windows • Mac OS

EXPERIENCE

YITU | Software Engineering Intern
Jul 2017 –Aug 2017 | Shanghai, China

- Worked in the Face Platform team, **use C++ to implement the encryption module** for the system.
- **Finished** the function test and performance test of this encryption module.
- All code was **reviewed, and pushed** to production.

MEGVII | Algorithm Engineering Intern
Jun 2018 –Sep 2018 | Beijing, China

- Focus on **image inpainting** and **style transfer** tasks.
- Propose a new iterative method which achieve the state-of-art performance for image inpainting.
- Use **PyTorch** to reimplement several algorithms for image inpainting.

PUBLICATIONS

- W. Cui, X. Zhou, **H. Lin**, et al. Verb Pattern:A Probabilistic Semantic Representation on Verbs. In Proc. **AAAI** 2016.

  Design and impelement the experiments for comparison of different semantic representation on verbs.

- **H. Lin**, Y. Fu, P. Lu, et.al. TC-Net for iSBIR: Triplet Classification Network for instance-level Sketch Based Image Retrieval (**Oral**). In Proc. **ACM Multimedia** 2019.

  Propose a new simple but efficient framework based on auxiliary classification task for instance-level SBIR.

- **H. Lin**, Y. Fu, Y. Jiang, et.al. Sketch-BERT: Learning Sketch Bidirectional Encoder Representation from Transformers by Self-supervised Learning of Sketch Gestalt. In Proc. **CVPR** 2020.

  Propose a self-supervised learning model for sketch understanding based on Gestalt principles and transformer structure.

PROJECTS

REIMPLEMENTION FOR DEEPFILLV2(GITHUB 200+ STARS)

- Reimplement the deepfill v2 algorithm for image inpainting in **Pytorch**.

AWARDS

2016 The EMC Prize Scholarship(top 10%)
2017 Meritorious Winner of Mathematical Contest in Modeling(top 15%)
2017 1st runner-up of iShamrock Software Competition(top 10%)
2017 National Scholarships(top 3%)
2019 National Scholarships(top 3%)