

YIHAO FENG

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EDUCATION

Beihang University (BUAA), Beijing, China

Aug.2012 –Jun.2016

B.E. in Software Engineering

Rank: 4 / 134 Overall GPA:3.74 / 4 (Major GPA:3.85 / 4)

PROGRAMMING SKILLS

- Programming Languages: C/C++, Java, C#, PHP, Python, JavaScript,
- Scientific Software & System: Matlab, Mathematics, Weka, Torch, LightSide,Cuda
- Area of Interests: Social Network, Multimodal, Data Mining, Probabilistic Graphical Models

EXPERIENCE & RESEARCH

Database Group, National University of Singapore, Singapore

April.2016 – Present

Research Intern Adviser: Prof.Anthony K. H. Tung

Research Topic: Images Clustering using GPU

- Analyzing outlier points in PGData.
- Using GPU to accelerate Image Clustering for ARShop Project.

ArticuLab, Carnegie Mellon University, USA

Jul.2015 – Sept.2015

Summer Research Intern Adviser: Prof.Justine Cassell & Dr.Alexandros Papangelis

Research Topic: Modeling rapport in human conversations

- Extracted visual and acoustic features and synthesized them.
- Applied linear-CRF to model rapport and achieved a result of 74% accuracy.

State Key Laboratory of Machine Perception, Peking University, China

Oct.2014 – April.2016

Undergraduate Research Assistant Adviser: Prof.Guojie Song

Research Topic: Inferring social relations among users in mobile social network

- Built a triadic factor by adopting the Structural Balance Theory.
- Built a model called BTFG(Balanced Triadic Factor Graph).

Mathematical Modeling & Algorithms Laboratory, University of Tsukuba, Japan

Jul.2014

Academic Visitor Adviser: Dr.Yasuyuki Maeda

Research Topic: Basic research realization in Image Recognition

- Learned Basic Machine Learning method(SVM, PCA).
- Applied the PCA,SVD method to Recognize simple handwriting numbers.

Mobile & Big Data Department, Zhiquan.Inc, China

Feb.2015-Jun.2015

Software Engineer Adviser: Dr.Yun Lu

Project:Zhiquan Android App Platform

- Built the IM chat and social relation part of the Android App.
- Implemented the initial version of User Recommendation System based on User-Based algorithms.

HONORS AND AWARDS

- National Scholarship For Excellent Academic Performance (Top **2%**) Sept.2013
- National Endeavor Scholarship (Top **5%**) Sept.2014
- Excellent Student, Beihang University(Top **5%**, continued 2 years) Sept.2012-Sept.2014
- *Meritorious winner*, Mathematical Contest in Modeling (Top **13%**) Apr.2015