Curricumlum Vitae

HEBI LI

2#606, west campus, USTC ◇ Hefei, Anhui, China 230027
18788836992 ◇ lihebi@mail.ustc.edu.cn

EDUCATION

University of Science and Technology of China *June 2010 - present*
B.S. in Department of Automation, School of Information Science and Tech
Cumulative GPA: 3.47/4.0, ranking:33/86
CS&EE related GPA(43.5 credits): 3.81/4.0, ranking: 5/86

TEST SCORES

GRE: V148, Q168, AW3.5
TOEFL: 103(R28, L28, S22, W25)

INTERESTS

Network
Big Data & Cloud Computing
Operating System

SKILLS

Programming Languages: C/C++, Python, Java, Matlab, SQL, Android, FORTRAN, Javascript, BASM, VHDL
Libraries&&Platforms: boost, Numpy, Scipy, cvxopt, lapack, OpenCV, NS3, ccnx, ndnSIM
Operating System: Linux(proficient), On-Chip System(Freescale XS128, K60)

RESEARCH

Named Data Network(NDN) September 2013 - Present

- Built up the topology and testbed of NDN on both PCs and Virtual Machines.
- Designed a new synchronization model for NDN, *"Distributed Random Servers with Timed Labels for Synchronization over Named Data Network"*.
- Co-designed a new method resolving mobility problem on NDN routing.

Low Resolution Face Recognition July 2013 - September 2013

- Implemented the whole algorithm of the paper *Low Resolution Face Recognition via Sparse Representation of Patches, by L. Zhuang et al, 2009*.
- Evaluated the algorithm and ameliorated it to a more practical and efficient one.
- Rewrote the core algorithm *l1-minimization* from matlab to python based on cvxopt and lapack, improved flexibility and portability.

Movie Data Crawling and Analysis May 2013 - July 2013

- Crawled over 300,000 movies' meta data from *movie.douban.com*.
- Extracted useful information from crawled web pages into databases.
- Analyzed the data using content-based recommendation algorithm using directors, stars and labels.

Robo Game in USTC July 2012 - September 2012

· Acted as the captain of the team, built a robot car doing a series of work including:

  - going upstairs and downstairs.
  - fetching flowers precisely based on computer vision.
  - finding way by recognizing pillars in different color sequences using image processing.

· Ranked 3/26 in the final competition.

Freescale Smart Car Competition October 2011 - May 2012

· Built a car runing by two back wheels, using gyroscope and accelerometer to keep balance.

· Used PID control algorithm to keep balance and find way by the electromagnetic wire.

AWARDS

Outstanding Student Scholarship, Copper Class	September 2013
The Third Prize in Chanllenge Cup Undergraduate Tech Competition, USTC	November 2012
Rank 3/26 in Robo Game Competition, USTC	September 2012
National Encouragement Scholarship	June 2012

PUBLICATIONS

Hebi Li, Xiaobin Tan, Zijian Zhou, Zhifan Zhao. *"Distributed Random Servers with Timed Labels for Synchronization over Named Data Network"*. Submitted to INFOCOM'2014 Workshop on Name-Oriented Mobility, 12/30/2013.