

Fu Cong

Resume

EDUCATION

- 2016 – PRESENT **Master of Computer Science**
COMPUTER SCIENCE
Tongji University
- 2012 – 2016 **Bachelor of Computer Science**
COMPUTER SCIENCE
Tongji University

WORK EXPERIENCE

FROM FEB 2016 TO NOV 2016
Cisco Research Department of China(CRDC)

Intern

- 1. Web GUI for the LORA system. Develop and maintain system. Django, Cassandra, Bootstrap are adopted here.
- 2. Auto testing script. Develop new auto-testing script for new feature.
- 3. Bug fixing. Fix bugs for router/switch system.

PROJECT EXPERIENCE

- 2017.3-PRESENT **Stock price prediction**
python, matlab, pandas, numpy, tensorflow
Combine deep learning algorithm with traditional method to predict the value of a time series(stock price here). Some achievements have been made so far.
- 2016.9-2016.12 **Using ANN to detect stent in OCT images**
matlab
OCT is a technique used to image cross picture within heart vessels. Patients usually receive this medical examination after a heart stent was implanted. Given OCT video, our aim is to detect the location of stent in each frame so further works such as auto diagnosing or reconstructing is possible.
- 2015.12-2016.6 **Computer aided 3D-reconstruction of human blood vessels**
C, matlab
Graduation project. Given a set of slice images of a object, reconstruct its 3D model. RayCasting algorithm is adopted.
- 2015.6-2015.8 **Html based database**
C
Project for compiling theory. A nonsql database which uses html to store data is designed.
- 2015.1-2015.2 **Online card game/Online chart system**
C, TCP, socket
Design sever for multiplayer card game and online chart system.
- 2014.11 **32-bit CPU based on MIPS**

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AWARDS

- 2015 **First Scholarship of Tongji University**
Tongji University
- 2015 **Second Scholarship of ENN Energy**
ENN Energy Holdings Limited
- 2014 **Second Scholarship of Tongji University**
Tongji University

COMPUTER SKILLS

Fluent C, Python

Intermediate SQL, Java, C#, JavaScript

Basic Shell, HTML, PHP, Dock, Verilog

verilog

Design a 32-bit CPU with interruption which can run 64 mips instructions. NEXYS3 platform is used to synch & run code.

2014.10 **Handwritten number detection**

matlab, C#

Using KNN to recognize handwritten numbers. MINIST data is used.

2014.4-2015.3 **Public washing machine book system**

java, Android, UI

Design a system for booking public washing machines.

2014.10 **Game: Tic-Tac-Toe**

C

Using A* search algorithm to play Tic-Tac-Toe. The worst result for AI is draw. A* is also used to solve problem like Hanoi-Tower and 8-puzzle problem.

2014.7 **Simple file system**

C

Design a linux-like file system. The following command line are supported: ls, cp, mkdir, cd, read, write
A simple command line system without command line tree is designed to manipulate file system.