

Yuchuan Gou

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Education Background

Shanghai Jiao Tong University, China

09/2012--07/2016

B.S. in Information Engineering

Relevant Courses: Mathematics, Programming, Data Structure, Operating System, Signals and Systems, Data Base

University of Florida

08/2016--Now

M.S. in Computer Science

Relevant Courses: Advanced Data Structure, Cloud Computing, Internet Traffic Measurement

Research Experience

Researches on distributed system "Spark"

10/2014--07/2016

Institute of Wireless Communication Technologies, Intelligent Internet of Things, SJTU

- Worked as research assistant and wrote tutorials for Spark development
- Deployed distributed Spark and Hadoop on an 8-node server cluster and made maintenance
- Applied data mining procedure and machine learning to solve problems in Kaggle and Recsys Challenge
- Conducted research on distributed graph algorithm on Spark using GraphX library and the Scala language
- Conducted research on community detection and clustering with Spark (Louvain algorithm, kmeans)
- Designed ranking algorithm with Spark (zerorank, which is an extended algorithm of pagerank)
- Build a large network analysis system on Spark (realize network analysis algorithms and data visualization)

Selected Course Project & Programming Experience

Project in Technological Innovation and Engineering Practice 4A

Spring 2015

- Completed an intelligent rescue vehicle(controlled by embedded processor), realized motor drive control, bluetooth communication and automatic patrol
- Completed vedio-recording and transmission through wireless network by using Android devices on vehicle
- Realized remote control and remote monitor on PCs and Android devices

Project in Course Operating System

Spring 2015

- Developed an Android health app that is used for recording, analyzing sport data and estimate sports type

Project in Windows Application Program Design (C++)

Spring 2014

- Completed a multimedia player with functions of audio and video play, lyric display, play control and auto power-off by using MFC libraries

Project in Course Intelligent System

Fall 2015

- Made some game development and artificial intelligence on FPGA development board

Professional Skill

- Conversant with Python, C++
- Familiar with Linux, Ubuntu, git; having experience of Android development (Java)
- Having experience of distributed system "Spark" development (Scala)
- Having experiences of writing with Latex, Markdown, Html, CSS; writing tech blog now
- Languages: English (CET6:518,TOEFL ibt:95), Mandarin(native)

Activities

Dongyue Network Technology Association of SJTU, Programmer & website editor

09/2013--07/2015

Science and Technology Association of SJTU, Department Minister

09/2012--07/2014

Interests: Soccer, Photography, Tennis, Comics, Bicycling