

LU SHENGLIANG

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OBJECTIVE

Looking for a part-time project which utilizes my skills and abilities in the Computer Engineering Industry, and helps me in broadening and enhancing my current skill and knowledge.

EDUCATION

B.Eng. Computer Engineering — GPA 4.47/5.00

Anticipated Graduation: May, 2016

Nanyang Technological University, Singapore

EXPERIENCE

Contestant, *2013 ACM-ICPC Asia Jakarta Regional Contest*

Oct 2013

- Participated on behalf of School of Computer Engineering Nanyang Technological University
- 3 questions solved in team

Contestant, *National Olympiad in Informatics, China*

Jul 2010

- Solved algorithm questions in pascal under linux enviroment
- Bronze medalist

Contestant, *National Olympiad in Informatics in Provinces, China*

2006 - 2011

- Solved algorithm questions in Pascal under windows enviroment
- Won several first prizes and second prizes

SKILLS

Programming: C/C++, Java, Python, Verilog, Assembly, Pascal, Haskell, L^AT_EX, MATLAB, Scheme

Operating Systems: Linux(Ubuntu, Fedora, Raspbian), Windows

Applications: Emacs, Eclipse, Xilinx, ModelSim, NetBeans

Hardware Testing Devices: Function Generator, Oscilloscope

Hardware Platform: Arduino, ARM based single board computer, FPGA

PROJECT HIGHLIGHTS

- Building a robotic system that can autonomously explore and traverse unknown areas in a group of eight people
- Used Verilog to program a basic MIPS-like CPU under simulation
- Designed and constructed a blood pulse wave data acquisition system that consists of PPG sensor, signal conditioning, data acquisition, and MATLAB post processing
- Managed an online invigilation software development and programed software server part

LEADERSHIP ACTIVITIES

Project Manager, CE2006 Software Engineering

Jan 2014 - May 2014

Vice President, NTU Cultural Activities Club, Dragon & Lion Dance Troupe

Aug 2013 - May 2014

Team Leader, ACM-ICPC Asia Jakarta Regional Contest team "FSM"

Oct 2013