

Yuzhong Wen

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EDUCATION

MS IN COMPUTER SCIENCE

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Expected Dec 2015 | Blacksburg, VA

Cum. GPA: 3.75

WUHAN UNIVERSITY

BS IN INFORMATION SECURITY

July 2011 | Wuhan, Hubei, China

College of Computer Science

Cum. GPA: 3.01 / 4.0

Major GPA: 3.2 / 4.0

LINKS

<https://github.com/supermartian>

<https://www.linkedin.com/in/yzWen>

COURSEWORK

GRADUATE

Multiprocessor Programming

Computer Network and Security

Network Architectures and Protocols I

Operating System

Advance Topics In Emergent Systems

UNDERGRADUATE

Data Structure

Operating System

Embedded System

Object Oriented Programming

Compiler Principle

Mathematics In Security

Information Security Principle

Information Hidden

Network Security

Computer Network

EDA Design

SKILLS

PROGRAMMING

C • Shell • JavaScript • Matlab

C++ • Perl • Java • Assembly • HTML •

CSS • \LaTeX

OS DEVELOPMENT

Linux • Android • REXOS • OpenWrt

TECHNICAL EXPERTISE

TCP/IP • Embedded System • Network

Security

EXPERIENCE

VIRGINIA TECH | GRADUATE RESEARCH ASSISTANT

December 2014 – Now | Blacksburg, VA

- Work in System Software Research Group, do research in OS related topics. Currently work on the network subsystem of Popcorn Linux.

VIRGINIA TECH | ASSISTANT WEB DEVELOPER

June 2014 – October 2014 | Blacksburg, VA

- Developed a course register system for internal use, using NodeJS, MongoDB, AngularJS and Express.js.

TP-LINK | SOFTWARE ENGINEER

July 2011 – October 2013 | Shenzhen, Guangdong, China

- Team Lead of Protocol Stack R&D Team
- Team Member of Android App Team

WUHAN UNIVERSITY | SYSTEM ADMINISTRATOR

Jan 2008 – May 2010 | Wuhan, Hubei, China

- Maintain the virtualization server backend and networking of Ziqiang.net
- Improve the performance of the web backend

PROJECTS

POPCORN LINUX CLUSTER

Virginia Tech | Blacksburg, VA

Based on the research project Popcorn Linux, expanded the model of task migration on a single machine, implemented process live migration in a Ethernet connected cluster. Which enables OpenMP applications to run on a cluster, and distributes workload(threads) to different nodes in the cluster.

QMNES

Hobbyist Project

Nintendo Entertainment System emulator.

TOYIP

Hobbyist Project

An experimental TCP/IP protocol stack running on Linux userspace.

VSPHERE SECURITY MANAGEMENT SUITE

Wuhan University | Wuhan, Hubei, China

A set of tools to manage VMware vSphere platform in terms of security. Monitors the running processes and scans viruses on the virtual machines running on vSphere.

VMware Chinese College Students Cloud Computing Originality Contest 1st prize.

TP-MINI

TP-LINK | Shenzhen, Guangdong, China

Android TV-box with a router built in. Featuring AR933x chipset. Led the development of router part.

PROJECTS

TR761

TP-LINK | Shenzhen, Guangdong, China

CDMA2000 3G hotspot. Featuring MSM7x25 chipset. Led the development of firewall implementation and protocol stack optimization.

TR861

TP-LINK | Shenzhen, Guangdong, China

WCDMA 3G hotspot. Featuring MDM8200a chipset. Developed an FTP server on the top of REX OS.

PUBLICATIONS

Jingsong Cui (advisor), Shasha Zhu, Yuzhong Wen, Xuhui Liu, Yu Yang. **“Hidden Process Detection Based on Virtual Machine Monitor”**. Proceedings of 2010 International Conference on Future Information Technology (ICFIT 2010), vol. 1, pp.434-437, 2010.