SHICHENG LIU

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SKILLS

· Application Development

· Requirements Analysis

· Software Development Lifecycle

· Project Scheduling & Management

· Testing, Quality Analysis & Research

· Quick Learner & Self-Motivated

· Stress Tolerance

IT SKILLS

C / C++

Linux (RedHat / CentOS)

Shell Script

gcc / gdb

Makefile

Git / TortoiseGit

System Integration

Computer Architecture

Supply Chain

html / css / Python / Django

LANGUAGE

English (Fluent)

Japanese (Basic)

HOBBIES

Running

Trail Running

Climbing / Mountaineering

Reading Novel

Achivement:

· Shanhaiguan Trail Race 2020 - 168km

· Sky View Trail Yamada Noboru 2019 - 140km

· Summits: Mt.Kilimanjaro, Mt.Elbrus, Mt.HaBa, Mt.YuZhu, Mt.Fuji...

PROFILE

Skilled in strong programming as well as system integration and supply chain optimization experience in HITACHI Research Insitute. Seeking to deliver robust solutions of logistics and inventory optimization for MSRA Icubation team.

EXPERIENCES

2020.06 — 2018.06

Advanced System Engineer

HITACHI / Acers Tech Co.,Ltd.   Tokyo, Japan

• As a contact engineer, it is a honor to participate in the project of supply chain optimization customized for Fast Retailing Co.Ltd (Uniqlo's parent company) by HITACHI.

• Requirement analysis, Design and Development, Test and System Integration, Source Code Management, Technical Document Write and Management, New staff training.

2017.11 — 2014.05

Co-partner

The third-party online store (TaoBao / Amazon)   BeiJing,China / Tokyo,Japan / Bristol,UK

• Market survery, Purchase, Online store operation, Logistics and Inventory management

2014.04 — 2012.08

General Manager's Assistant

TangShan YuLong Centrifugal Metallurgical Roll Co.,Ltd.   TangShan, HeBei, China

• Manufacturing supervision, Administrativa Affairs Assistance, Business Investigation and Reception, Organisation and Planning of Meeting and Event

2012.07 — 2011.11

Application Engineer

Analogix semiconductor (BeiJing) Co., Ltd.   BeiJing, China

• IC Test, IC Driver Update and Upgrade, Schematic Design, Field Technical Support

SELECTED PROJECTS

2020.06 — 2018.06

Supply Chain Optimization

Based on orignal supply Chain simulator designed by HITACHI, customise a new simulation system of supply chain running on distributed system(AWS) to mine history or present data's value to optimize product distribution, container fullfilment and inventory management.

• Design and test pre-processing/post-processing data models.(C++)

• Design and test dynamic link library for supply chain simulator.(C++/DLL)

• Setup, integrate, test and maintance supply chain optimization system.(like Hadoop, MapReduce implementation)

• Techs: C++, makefile, gcc,gdb, makefile, shell script, ssh, xml, java, MySQL.

Achivement:

• Made serval tools for SCO system auto-installation and auto-test on distributed system

• Successfully runing in Canda branch of FastRetailing Co.,Ltd.(Uniqlo's parenet company)On August 2019.

• Sold to Nitori, the largest furniture chain in Japan, and entered the stage of requirement customization

2017.04 — 2016.04

Inventory and Transfer Management System

A website inventory system is designed for cross-border online shopping product transfer. Front-end: html/css/javascript; Back-end: Django+MySQL.

• Reverse engineering of simple transfer system

• Requirement analysis

• Database UML desgin and UI layout design

2009.10 — 2009.03

The impact of the traffic modeling on different network topologies in many-core system

Focus on power consumption on different topologies between mesh and bypassing model.

• Simulate the multi-core chip system on different topologies.(C++)

• Process simulation results.(perl, shell)

• Use matlab to visualize simulation results.

2008.11 — 2009.05

System Integration

Design assmbler, computer simulator and simple OS and integrate them.

• Build a assmbler, which can change assembly language to binary code.(C langue)

• Build a simulator to simulate computer archtecture(CPU, Cache, Memory, Bus, pipeline and so on), which can run binary code.(Java)

• Design simple OS, which can handle interrupt from keyboard.(Assembly Language)

• Use assembler to transfer simple OS to binary code and run it on Java simulator.(Shell Script)

EDUCATION

2010.02 — 2008.09

Msc in Advanced Microelectronic Systems Engineering

University of Bristol   Bristol, UK

• Focus courses include Programming in C, Computer Architecture, System Integration, Design Verification

2008.07 — 2004.09

Bsc in Electrical Engineering and its Automation

JiangNan University   WuXi, JiangSu, China

• Third Class Scholarship

• Third Prize of the College Electronic Design Competition