

XUN ZHANG

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EDUCATION

University of Glasgow

Honours 2:1 BSc - Computing Science
Glasgow, UK

Sep 2011 — June 2013

Sun Yat Sen University

Guangzhou, China
BSc - Computer Science and Technology

Sep 2009 — June 2011

OPEN SOURCE PROJECT

Adding Golang Support to Apprunner

1 of 4 Contributors

Oct 2016

GitHub Project

- Adding Golang support to Apprunner so that the App runner can automatically build, deploy, test, and run Go applications.
- <https://github.com/janerikazhang/app-runner>

UNIVERSITY PROJECTS

Scheduling Issues in the Emulation of Large Sensor Networks

Final Year Project

Sep 2012 - June 2013

University of Glasgow, UK

- Analyzed the performance of the schedulers (Credit, SEDF, BVT) in Xen and try to find a way to improve it so that it could suit the needs (with the accuracy of event delivery).
- Developed drivers to make Contiki, TinyOS and Mini-OS run above Xen hypervisor to prepare for the emulation of wireless sensor networks.
- Set time quantum and appropriate credits to domains in Xen to test the Credit scheduler performance
- Changed to use CGroups to do cpu pinning on dual core in order to obtain a better performance.
- <https://bitbucket.org/janerikazhang>

WORK EXPERIENCE

Platform Engineering in Cash Foreign Exchange

Software Engineer

Oct 2013 - Present

HSBC Software Development (GD) Limited, China

- By rebuilding reverse-proxy, authentication and session management, I am helping re-architecting the trading system into microservices. Language: Java

DNS Proxy of Home Network Project

Summer Internship

Jun 2012 - Aug 2012

University of Glasgow, UK

- Built an application above the OpenFlow controller named NOX to apply the rules from the Policy Engine and manage the low level flow in the home network. Languages: C/C++, Python

GITHUB LINK

<https://github.com/janerikazhang>