

Yu Zheng (Chris)

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OBJECTIVE

To find an entry level full-time job in the field of software development or cloud computing.

EDUCATION

Columbia University

Master of Computer Science

New York, NY

Sep 2013 – Present

- Expected Graduation Date: *Dec 2014* GPA: 3.71 / 4.0

The University of Hong Kong

Bachelor of Engineering, Major in Information Engineering

Hong Kong, HK

Sep 2009 – June 2012

- Graduated with Second Class Honours (Division One) GPA: 3.05 / 4.0

TECHNICAL SKILLS

- Solid proficiency in Java, C/C++, Python
- Experience with Apache S4, Hadoop, OpenStack
- Good knowledge of TCP/IP, Data Structures and Algorithms
- Familiar with Shell Scripting, AWS, SQL
- Familiar with GNU/Linux
- Good with JSP, PHP, HTML

PROJECTS AND COURSEWORKS

Computer Networks

Columbia University

TCP/IP Programming

Jan 2014 – May 2014

- Implemented an online chat room with rich functionality based on a TCP, client-server model
- Implemented the routing algorithm, Bellman Ford algorithm, based on a UDP, peer-to-peer model

Database Systems

Columbia University

Information Retrieval and Data Mining Projects

Jan 2014 – May 2014

- Implemented A Priori algorithm, mining data to obtain interesting association rules
- Created corresponding infobox about query and provided feedback to “who created” questions
- Developed an information retrieval system, implemented the Vector Space Model and the Rocchio algorithm to augment query

Linux Kernel Programming

Columbia University

Operating Systems I Courseworks

Sep 2013 – Dec 2013

- Implemented several kernel features for Android and tested on Google Nexus 7
 - A simple completely fair scheduler which could additionally limit maximum CPU usage for each process
 - A semaphore which prioritized exclusive lock holders

INTERNSHIPS

Huawei

New Jersey

OpenStack Project

May 2014 – July 2014

- Built a cloud architecture using OpenStack, researched the network component Neutron and several plug-ins
- Integrated OpenStack with Docker and a SDN controller Floodlight

ASTRI

Hong Kong

Big Data Project

Sep 2012 – July 2013

- Developed a distributed data processing system integrating Apache S4 into Hadoop Yarn
- Achieved dynamically failover by applying FSM model

INTEREST

- soccer (playing over 15 years), traveling (East Asian, Hawaii, California), driving, hiking