



Huang Xuefeng

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SUMMARY

A person like to figure out how things work, easy-going and hard working.

EXPERIENCE

Software support engineer, Qmatic

2007 - 2012

Support and maintenance of customer management software, write script to customize the software (dealing with customer queue numbers, BASIC like script)

CHORD simulation (school project, C++)

Built distributed hash table to simulate adding, finding and deleting nodes in that hash table. The hard part of the project is to make it scalable. My implementation takes too much time to process when the input gets too big(millions of entries).

EDUCATION

University of Wollongong
(computer science degree in digital security) — Year 2015

SKILLS

C++ ----- average

Python ----- beginner

Java ----- beginner

HTML ----- beginner





Security chat (school project, C)

Implementation of client and server program to communicate over UDP socket, the message is encrypted using RC4 stream cipher with random generated session key.

Spell checking (online learning problem, C)

To pre-process a dictionary file, build it into a data structure called tries, the check the given word is right or wrong in linear time in terms of the length of the word.

Block cipher education program (school project, C++)

A program with GUI built with Qt library, it let user enable or disable some operation in DES cipher and get the subsequent cipher text. This is a group project, I have done the GUI and DES code integration part. It is still ongoing, will do some work on crypto analysis in the future.

