En-Jan Chou

zhouer@gmail.com
+1-713-410-3275

Skills & Expertise

Blockchain Advanced, 3 years experience.

C Advanced, 10 years experience.

Python Advanced, 3 years experience.

Javascript Intermediate, 3 years experience.

C++ Intermediate, 3 years experience.

Linux/FreeBSD Intermediate, 5 years experience.

Experience

Systems Architect at DiQi Inc. September 2014 – Present
> **Gcoin** is a consortium blockchain system featuring multi-currency, high throughput, and governance.
> **Pallet** is a smart contract system featuring scalability, and inter-blockchain operability.
> I responsible for designing system architecture and doing research on blockchain related technologies.

Software Engineer at CloudMosa Inc. June 2011 – November 2011
> **Puffin browser** is a cloud based remote browser. I responsible for server-side development, including rendering server upgrading, porting, and Java applet rendering.

Software Engineer at Cyberlink Corp. September 2008 – April 2011
> **PowerDVD 9, 10, 11** I responsible for software maintenance, developments, and refactoring. Including multimedia playback, Win32 programming, Python GUI framework designing and manipulation.
> **Software tamper resistance** I responsible for Blu-ray disc playback, managed copy, BD+ protection system architecture designing and implementation.

Teaching Assistant at National Taiwan University September 2005 – January 2006
> **Computer Programming** I responsible for grading assignments, labs, and giving lectures.

Network Administrator at National Central University September 2003 – August 2004
> **Network administration** I responsible for WWW, Mail, FTP, DNS, NFS, NIS, Gopher server administration, and network administration.

Projects

Praline
> **Praline** is an open source Raspberry Pi based Bitcoin hardware wallet.

Mickle
> **Mickle** is a P2P file sharing website.

KeyTurbine
> **KeyTurbine** is a keyboard adapter which translates PS/2 signals into USB signals, enables key remapping, macro playing and USB NKRO handling. I designed and made the hardware, firmware from scratch, including electronic circuit, PCB designing, firmware programming and manufacturing.

ZTerm
> **ZTerm** is an open source terminal emulator with telnet/SSH2, multi-tab, Unicode support. ZTerm is a cross platform software and implemented in Java.

Stock analysis and visualization website
    A website displays realtime stocks information and charts. I implemented a domain-specific language interpreter, technical indicators calculation and charts plotting in pure Javascript.

Auto-trading system
    A machine learning based distributed futures auto-trading system. The system receives realtime futures quotes and makes trading decisions base on historical data, the system is implemented in C, C#, Python on Linux based GPU cluster.

Education

National Taiwan University
    Master of Engineering, Computer Science
    Parallel and Distributed Computing Laboratory
    September 2005 – June 2007

National Central University
    Bachelor of Science, Major: Mathematics, Minor: Computer Science
    September 2000 – June 2005

Tainan First Senior High School
    September 1997 – June 2000

Patents

- Systems and Methods for Sharing Conversion Data (US 20120162363 A1)

Publications

- Computation and communication schedule optimization for data-sharing tasks on uniprocessor.
  Jan-Jan Wu, *En-Jan Chou*, Pangfeng Liu.
  2009, Journal of Systems Architecture – Embedded Systems Design, pp.363–372

- Computation and communication schedule optimization for jobs with shared data.
  En-Jan Chou, Pangfeng Liu, Jan-Jan Wu.
  2007, ICPADS, pp.1–8

Honors and Awards

- Teaching-Assistants Merit Award, Dept. of CSIE in NTU, 2006

- 3rd Place, National High School Programming Contest, 2000