

# En-Jan Chou

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

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## Skills & Expertise

**C** Advanced, 10 years experience.

**Python** Advanced, 3 years experience.

**Go** Advanced, 3 years experience.

**Javascript** Intermediate, 3 years experience.

**C++** Intermediate, 3 years experience.

**Blockchain** Advanced, 5 years experience.

**Linux/FreeBSD** Advanced, 5 years experience.

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## Experience

**Senior Backend Engineer at Bincensive Inc.** April 2019 – Present

**Market Making** a cross-market cryptocurrency arbitrage system.

**Mirror Trade** a trading system trades cryptocurrency on behave of clients according to professional traders' trading signals.

I responsible for designing and implement the trading system and building the CI/CD environment.

**Systems Architect at DiQi Inc.** September 2014 – March 2019

**Pallet** is a smart contract system featuring scalability, and inter-blockchain operability.

**Gcoin** is a consortium blockchain system featuring multi-currency, high throughput, and governance.

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.

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## Projects

**Praline**

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

**Mickle**

**Mickle** is a P2P file sharing website. The browsers can exchange data directly through WebRTC.

### **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.

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## **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

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## **Patents**

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

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## **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

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## **Honors and Awards**

- Teaching-Assistant's Merit Award, Dept. of CSIE in NTU, 2006
- 3rd Place, National High School Programming Contest, 2000