

# Eric CJ

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## EXPERIENCE

### **Global Trading Research (GTR), Instinet Inc**

June 2014 – Present

#### *Algorithm Developer*

- Develop electronic algorithmic trading programs for GTR's global platform
- Focus on delivering trading solutions with high quality, stability, and performance
- Utilize d3, jquery, Java Swing, etc libraries to delivery user friendly products
- Focus on solving trading problems with a firm understanding of trading markets in the Americas

### **Hummingbird Instant Messenger on Android**

May 2014

#### *Java Developer*

- Developed a light weight instant messenger on Android using mqtt protocol

### **Bchart4 Bitcoin Trading Data Display on Android**

March – May 2014

#### *Java Developer*

- Developed an application to graphically display bitcoin trading data from Bitstamp.net
- Utilized Jackson(JSON), Androidplot, sharedPreferences, ContentProvider, and SQLite for data
- Implemented Pusher, IntentService, Service, and AlarmManager for real-time update

### **XiaoMaiFeng Social Commence Platform**

July – August 2013

#### *Developer*

- Coded web apps in a two-student start-up team to develop a Chinese version of Chirpify
- Used Django web framework for backend, JSON standard, OAuth 2.0 protocol
- Utilized Python Requests library to communicate with social websites' RESTful APIs

### **Embedded DSP Design on Android Platform, Class Project**

January – May 2013

#### *Team Member*

- Used Android NDK package, OpenCV library, and FFTW library
- Implemented C code to do real-time signal processing: histogram, autocorrelation, etc
- Simulated digital signal processing result on MATLAB
- Scripted Java code to design the overall framework of the app

### **Remote Sensing and Space Science Group, UIUC**

September – December 2011

#### *Research Assistant*

- Helped code dictionary for ECE department's PTS (Pulse Transmitter System) using Python

## ACHIEVEMENTS AND ACTIVITIES

### **Ke Huan Shi Jie (science fiction magazine in China), Author**

April 2014

### **Daily Illini, Newspaper Guest Column**

April 2014

### **Chinese Students and Scholars Association, UIUC**

February 2011 – May 2012

- Worked in IT division as administrator of BBS (Bulletin Board System) of CSSA website

### **Aerial Robotics Club, University of Arizona**

January – May 2010

- Worked on Unmanned Aerial Vehicles (UAVs) operating on pre-programmed GPS or RF

### **Tucson Festival of Books 2<sup>nd</sup>, University of Arizona**

March, 2010

### **Engineers Without Borders, University of Arizona**

September – December 2008

- Assisted in the expansion of EWB's water distribution network in Volta Region of Africa

### **Honorary Citizen of Tucson, AZ**

May, 2009

## SKILLS

**Tools:** Java, C, C++, Python, Django, Android, MATLAB, VHDL, HTML/CSS, LaTeX, LabVIEW

**Language:** Mandarin Chinese (native), English (fluent)