

# Jian Chen

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## EDUCATION

**University of Illinois at Urbana Champaign (UIUC)**  
*Bachelor of Science in Electrical Engineering*

May 2013  
Major GPA: 3.26/4.0

## EXPERIENCE

### **Bitstamp API Client on Java and Android**

March – Present 2014

*Developer*

- Develop an application to graphically display bitcoin trading data from Bitstamp.net
- Use Jackson for JSON binding, JFreeChart for plotting, Apache HttpClient & Timer for RESTful
- Use Androidplot, AlarmManager, Service, BroadcastManager and SQLite on Android

### **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
- Used MATLAB to simulate digital signal processing result
- Scripted Java code to design the overall framework of the app

### **Improved Home Comfort System, Class Project**

January – May 2012

*Designer*

- Used modified XBee Wireless module and LabVIEW to construct a distributed sensing network
- The network enhanced commercial product, Nest Learning Thermostat's sensing range

### **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

**Daily Illini**, Newspaper Guest Column

April 2014

**McDonald Animal Ranch**, Santa Rosa, CA

June 2012

**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

- Focused on software settings, and worked on Unmanned Aerial Vehicles (UAVs) capable of operating independently based on GPS coordinates, and RF communication

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

March, 2010

**Engineers Without Borders**, University of Arizona

September – December 2008

- Assisted in raising funds for EWB's project in Volta Region of Africa
- Helped develop GPS coordinates solutions for expansion of water distribution network

**Honorary Citizen of Tucson**, AZ

May, 2009

## SKILLS

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

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