

# Jian Chen

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## EDUCATION

**University of Illinois at Urbana Champaign (UIUC)**

May 2013

*Bachelor of Science in Electrical Engineering*

Major GPA: 3.26/4.0

## EXPERIENCE

**XiaoMaiFeng Social Commence Platform**

July – August 2013

*Co-developer*

- Worked in a two-student start-up team to develop a Chinese version of Chirpify
- Used Django web framework for backend
- Utilized different social websites' APIs to post and receive social messages

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

January – May 2013

*Team Member*

- Programmed a Karaoke game on Android platform
- Used NDK package to embed C code in Java
- Implemented C code to do real-time signal processing to the sound
- Scripted Java code to design the overall framework of the app

**Department of Aerospace Engineering, UIUC**

January – May 2013

*MATLAB Tutor*

- Helped 10 students weekly with MATLAB assignments from different levels of classes
- Covered topics from fundamental programming to advanced Numeric Analysis using MATLAB

**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

**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

- Worked in Paparazzi project on team of 10 students
- 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

**Computer:** C, C++, Python, JAVA, VHDL, HTML, LaTeX, MATLAB, LabVIEW

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