

Jian Chen

dannycj11@gmail.com • ericcj24.github.io

EDUCATION

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

May 2013
Major GPA: 3.26/4.0

EXPERIENCE

Hummingbird Instant Messenger on Android

May – Present 2014

Developer

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

Bchart4 Bitcoin Trading Data Display on Android

March – May 2014

Developer

- Developed an application to graphically display bitcoin trading data from Bitstamp.net
- Utilized Jackson(JSON), Androidplot, sharedPreference, 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

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

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

April 2014

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

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

Tucson Festival of Books 2nd, 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

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

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