

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

Bitstamp API Client on Java and Android

March – Present 2014

Developer

- Develop an application to graphically display bitcoin trading data from Bitstamp
- Use libraries like Jackson for JSON binding, JFreeChart for plotting, Apache HttpClient for RESTful

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, 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

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 2nd, 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, MATLAB, VHDL, HTML/CSS, LaTeX, LabVIEW

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