

Jian Chen

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EDUCATION

University of Illinois at Urbana Champaign

Bachelor of Science in Electrical Engineering

May 2013

Major GPA: 3.26/4.0

EXPERIENCE

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

Jump Trading Medical Simulation Controller, Senior Design Project

January – May 2013

Team Member

- Co-designed and built input interface with SimMan Medical Simulation System
- Designed and soldered circuits for hand-hold controller and LCD unit

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
- Program helped interpret data feedback from PTS

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

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

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