Xin Chen

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EDUCATION

University of California, San Diego La Jolla, CA • Graduate student in Electrical and Computer Engineering Department, 2011-2013
- Selected Coursework:

   Communication Theory and System: Information Theory · Random Processes · Digital Communication I, II · Antenna Systems and Applications · Communication Theory & Modern Wireless Communications · Advanced Data Structures · Design & Analysis of Algorithm · Server-side Web Applications · Intro to Embedded System

Shanghai Jiao Tong University Shanghai, China • Bachelor of Science in Electrical and Computer Engineering, 2007-2011
- Selected Coursework:

   Electrical and Computer Engineering: Computer Networks · Digital Signal Processing and Analysis · Signal and Systems · Computer Organization · Digital Integration Circuits · Electronic Circuits · Physical Principles Underlying Smart Devices · Semiconductor Devices · Microwave Engineering · Electromagnetics · Programming & Data Structures · Boundary Value Problems for Partial Differential Equations · Probabilistic Methods in Eng. · Discrete Mathematics · Applied Calculus II, III, IV · Professional Ethics · Advanced Technical Communication · Solid Mechanics

WORK & RESEARCH EXPERIENCE

Laserfiche Corporate (Long Beach, Jun 2012 - present)
Full time Software Engineer intern
- Developing the web form application with HTML5 Canvas, jQuery kinetic, javascript and C# in form team for laserfiche Business Process Management (BPM) product series. Finished the implementation for interfaces from front-end and back-end, including dialogs, forms, xpath-builder and supports on tablets.
- Using ASP .NET MVC 3 framework as project structure, and ADO .NET Entity Framework 4.1 as the ORM framework. HTML5 new technologies and JavaScript are widely used in the project.

National Instruments Corporation (Shanghai, Dec 2010 - Jun 2011)
Full time Applications Engineer intern
- Solved industiral problems for over 100 customers in real applications with professional skills, including software programming (LabVIEW, C, Matlab, MySQL, CVI, TestStand, Vision Builder for Automated Inspection, OPC server, etc), hardware configuration (PXI/PCI buses, RF processing instruments, FPGA, Signal Conditioning eXtensions for Instrumentation (SCXI), Data Acquisition instruments (DAQ), Wireless Sensor Network(WSN), etc) and testing/debugging for returned instruments.
- Achieved the title of Certified LabVIEW Associate Developer granted by National Instrument (SN: 100-311-1085).
- Had excellent teamwork with colleagues in NI tech show. Got good feedback from customers, team members and department manager.

Honeywell International Inc (Shanghai, Apr 2010 - Jun 2010)
Part time Marketing assistant intern
- Optimized and Translated a series of technical documents for new products handbook.
- Managed the documentation and electrical database with Microsoft Office softwares.
- Won Honeywell Innovators Scholarship selected by Honeywell globally from their best interns.

UC San Diego, Cooperation with Chair in Department of Anesthesiology for a sensor system project (La Jolla, Mar 2012 - present)
System Software Engineer
- Impelemented a pulse pressure sensoring and data acquisition system with LabVIEW and NI-DAQ instruments.
- Successfully record and process the data from clinical experiments and satisfied the system requirements.

UC San Diego, Course project on Embedded System design for lower power consumption (La Jolla, Jan 2012 - Mar 2012)
Teamwork Research
- Designed new frequency allocation policy on Qualcomms snapdragon MSM8660 Mobile development platform for lower energy consumption.
- Rich literiture research and over 600 lines programming in C and shell script resulted in an efficient policy ranked 10% over class.

Shanghai Jiao Tong University, Automobile vehicle research center (Shanghai, Sep 2010 - Dec 2010)
Capstone Design team leader
- Designed and constructed a light weight unmanned aerial vehicle embedded control system. Responsible for the software part that built based on TinyOS and implemented by XML and C, and ran in Linux system with customized UI.
- Got grade A in Capstone design and enrolled the 4th National Undergraduate Innovative Project in China.

SKILLS

- Proficiency in Linux environment programming with C++, C#, JavaScript, JSP, SQL, LabVIEW; Familiarity with C Shell, PHP, HTML; basic in Python, VHDL.
- Familiarity with PXI/PCI, GPIB, motion/vision systems, Data acquisition/processing systems and common industrial communication hardwares.
- Familiarity with Matlab, Mathematica, ADS, PSPICE and other engineering software tools in ECE field.