Ivy (Xuan Long)

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OBJECTIVE
Seeking a full-time position or internship in a field related to electrical and computer engineering

EDUCATION
University of Delaware, Newark, DE
Master of Electrical and Computer Engineering (concentration in communication and signal processing), 2014

Harbin Institute of Technology, Weihai, China
Bachelor of Science in Control Technology and Instruments, 2008
      Dean's List, Spring 2007

ACADEMIC PROJECTS
Digital Imaging and Audio Signal Processing   Spring 2013
- Processed distorted and noisy images and audio using MATLAB

Shannon-Kotelnikov Mappings in Joint Source-Channel Coding   Fall 2012
- Designed and analyzed a bandwidth reduction system with source samples mapped directly onto channel using Archimedes' spirals to achieve reliable and efficient communication over AWGN channels.

Comparison of Maximum likelihood with Bayes estimation   Spring 2012
- Prepared information and data for analyzing applications of ML and Bayes estimation in different fields by using research and analytical skills.

PROFESSIONAL EXPERIENCE
Fanjingshan Manganese Industry Co., Ltd., Songtao, China   Sep. 2011 – Dec. 2011
Intern
- Developed microprocessor for automatic control system to remotely control thermal imaging infrared camera.
- Joined single loop control system design to control the temperature of material mixer.
- Completed principle diagram and flow chart.
- Troubleshot issues with disordered images being sent back to computer.

SKILLS
Programming: Assembly • C
Software: MATLAB • Visual Studio • LabVIEW • Keil C51 • Protel 99 • SmartDraw • AutoCAD • Maxplus2 • Microsoft Office Suite
Languages: English, Chinese

ACTIVITIES
Student Council, Weihai, China   2005 – 2008
- Contributed to planning of several special events and participated in aerobics competition at Harbin Institute of Technology as organization member.