

Jane Doe

OBJECTIVE: To obtain a Full-time position in the field of Electrical Engineering

EDUCATION

Michigan Technological University Houghton, MI
BS Electrical Engineering Dec 2016
GPA: 3.83

INTERNSHIP EXPERIENCE

China Unicomm Summer 2012

- Tested signal strength using Pilot Pioneer software, GPS and cell phone to find the location and the reasons of bad signal.
- Tested signal interference, using spectrum master to narrow down the interference frequency range.
- Tested physical circuit by limiting cell phone's path within specific circuit and calling each other, to check the condition of talking.
- Analyzed signal information for circuit switch, using recorded signal processes to solve the issue.

ENGINEERING PROJECT EXPERIENCE

Michigan Tech University **Senior Design** Fall 2014- Spring 2015
Sponsor: ArcelorMittal
Project: RFID based Safety System
Objective: Design a safety system to record workers at ArcelorMittal who pass in and out of the danger area to keep them safe.

- Designed signal wireless transmission system using X-bee, Arduino, and UART, and combine together to record data from reader to computer.
- Programmed Arduino, using C language, to show the data on computer when worker pass in and out.
- Tested the range of reader indoor and outdoor to make sure the range is enough for ArcelorMittal industry.
- Composed technical report detailing project planning, design, test and results.

Michigan Tech University, Department of Electrical Engineering Spring 2013
Project: Security System
Objective: Design a home security system so when people come near the home the alarm will turn on automatically.

- Programmed the HCS12, using assembly language to turn the system on by press of a button and let alarm on when subject interrupt the sensor.
- Wrote programming report explaining the system in detail.
- Reported the progress to instructor on regular basis.

COMPUTER SKILLS

Operating Systems:	Programming Languages:	Software:
<ul style="list-style-type: none">WindowsMacLinux	<ul style="list-style-type: none">JavaAssemblyC and C++	<ul style="list-style-type: none">P-SpicedSpaceEagleLabViewHCS12

CO-CURRICULAR WORK EXPERIENCE

Michigan Tech University Department of Electrical and Computer Engineering Fall 2012-Spring 2013
Learning Center Coach

- Worked 6+ hours/week while maintaining full academic schedule
- Provided one-on-one tutoring to peers in: • Digital Logic • Digital Signal Processing • Microcontrollers • Circuits • Electronics • Linear System Controls

LANGUAGE SKILLS

- Mandarin Chinese – First Language
- Full Fluency in English

AWARDS

- Dean's List
- Outstanding Student award from Department of Mathematical Sciences

COMMUNITY SERVICE

- Copper Country Humane Society
- Red Cross
- Rozsa (Performing Arts) Center Usher

CO-CURRICULAR INVOLVEMENT

- Eta Kappa Nu Electrical Engineering Honor Society
- Tau Beta Pi Engineering Honor Society