XI HE

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EDUCATION

Cornell University, Master of Engineering in Computer Engineering (School of ECE), 5/2015
Course: Artificial Intelligence, Computer Vision, Computer Networks, Cloud Computing, Parallel Computing

University of Nebraska-Lincoln, B.S in Electrical Engineering, 12/2013   GPA: 3.87/4.0
Dean's List – All semesters and High Scholar Honor student

TECHNICAL SKILLS

Specialty: • Large System Integration • Cross-platform Software Development/SDLC   • Web Application

Programming & Software:

- C# / ASP.NET / VB.NET
- MySQL / MS SQL
- UNIX Shell Scripting / Linux

- Java / Android Development
- C / C++ / OpenCV, XML
- JavaScript, HTML5, CSS, PHP

- LabVIEW / Automation
- Python Script
- Matlab / Simulink

WORK EXPERIENCE

Cornell University, *Web Application Developer*, Ithaca, NY   September 2014-Present
- Develop both of front end and back end of websites from the ground up using C#, ASP.NET, JavaScript, HTML5, CSS, and Microsoft SQL Server.

General Electric, *Software Engineer,* Atlanta, GA   January-August 2014
Quality Group Database V1.0 (*Released*)
- Developed and implemented the windows application in C#.NET and Microsoft SQL Server
- Maintained software and made requested upgrades from client
- Recommended plan about Software Quality Assurance software investment in 2015

ANSI Meter Customer Test Report Generator V1.0 and V1.1 (*Released)*
- Created the software tool in VB.NET to automatically generate detailed customer test report
- Received award for high level of Simplification Savings

Smart Meter Firmware Test Automation System - TestmateV1.2 (*Released*)
- Upgraded the automation system, fixed coding bugs, and added more features
- Collaborated in migrating the system platform from XP to Windows 7 with GE India team
- Implemented and installed the system at several plants

General Electric, *Intern*, Atlanta, GA   May-August 2013
Smart Meter Firmware Test Automation System Project
- Completed the design of the large-scale integration system with GE India team using LabVIEW, ActiveX, .NET, Batch file, KVT scripts, Metermate, and DLL written in C++
- Led the creation of Atlanta meter firmware automation testing capabilities
- Debugged the new test scripts and created the official guide for running the setup

UNL EE Department, *Undergraduate Research Assistant,* Lincoln, NE   August 2011–May 2013
- Developed wireless communication system between dSPACE and digital signal processors
- Assisted in developing firmware of F2812 digital signal processor in C and Matlab Simulink
- Designed PCB board and collaborated with Ph.D. students to accomplish system debugging

SELECTIVE PROJECTS

"Smartphone based Building Occupancy Tracking" – (Java / Python)
"Hand Gesture Tracking and Segmentation" – (C++/ OpenCV)
"Unbeatable Tetris player" – Artificial Intelligence and Machine Learning (JavaScript)
"Hong4Poker" - Android poker game app with Artificial Intelligence - (Java, Android)
"myMessenger" - LAN client/server instant messenger - (Java)
"Automated Batch Coin Dates Reader" - Machine Vision + Microcontroller - (LabVIEW, C)

LEADERSHIP EXPERIENCE & ACTIVITIES

• UNL Break Dance Organization, Co-founder and President, 2010-2013 • Association of Students of the University of Nebraska (ASUN), Representative, 2010-2011

HONORS & AWARDS

• IEEE awarded my Senior Design Project the second place at UNL's E-Week, 2013, 2013 • Oskar Edison Student Support Fund, 2012-2013 • Milton E. Mohr Research Scholarship, 2012-2014 • University Creativity Academic Research Experience (UCARE) funding