

Saksham Ghimire

ghimires4359@my.uwstout.edu
www.linkedin.com/in/sakshamghimire/

1311 South Broadway St.
Menomonie, WI 54751
715.505.5189

OBJECTIVE

To obtain a full-time position in the field of computer engineering involving applications in computer hardware and software design, embedded systems, system integration, and electronic design automation.

EDUCATION

University of Wisconsin-Stout, Wisconsin's Polytechnic University **2010-2014**
Menomonie, WI

- Bachelor of Science, Computer Engineering
- Minor, Computer Science, Mathematics

TECHNOLOGY SKILLS

Languages / Frameworks C, C++, C#, ASP.NET, AJAX, WCF, JavaScript, HTML, XML, SOAP, UML, SQL, Java, Visual Basic, XSL, Perl, jQuery, Python, Android, PHP
Hardware Verilog, VHDL, FPGA, Cypress PSoC 5, PLC, Xilinx Nexys 3, Microsoft Assembler
IDEs/Tools Visual Studio 08/10/13, Atmel Studio 6, Matlab, Simulink, PSPICE, LabView, MultiSim, MicroCap, RSLogix, Arduino, Visio, SharePoint Designer 2007/10, Eclipse IDE, AutoCAD
Servers IIS 7.0/7.5, SharePoint Portal, SharePoint 2010, Team Foundation Server, Apache, WAMP, ColdFusion
Solutions Salesforce.com CRM
Databases Microsoft SQL Server, MySQL
Platforms Microsoft Windows® 2000/XP/7, Mac OS X, Ubuntu Linux, Windows Azure
Architecture OOP, SOA

EXPERIENCE

Information Systems Intern **05/2013-Present**
The Toro Company – Bloomington, MN

- Developed an iControl based node utility on F5 load balancing networks
- Developed an MVC 4.0 web application in Windows Azure to manage corporate patents
- Worked as a team to develop employee cube finder using JavaScript and Autodesk Design Review API

Technical Assistant – Salesforce.com **03/2012-05/2013**
The Discovery Center – Menomonie, WI

- Developed custom invoicing object model in Salesforce to help the business unit with an enterprise reporting system
- Developed survey management system in Salesforce to help the database team with updated survey results and reports

Information Systems Intern **05/2012-08/2012**
The Toro Company – Bloomington, MN

- Developed custom SharePoint web parts in C#/ASP.NET to display news/updates from SharePoint databases
- Developed custom workflows and actions using Microsoft SharePoint Designer and CAML for SDLC artifact approval
- Implemented an enterprise level log management in Perl and JavaScript to manage server side event logs

Web Coordinator **10/2011-03/2012**
UW Stout Student Services – Menomonie, WI

- Provided consulting services to student organizations to build web based services
- Maintained and updated databases in the Stout Student Association housing website

Web Developer **08/2010-10/2011**
UW Stout Branch of the IEEE – Menomonie, WI

- Gathered requirements from the executive team to build and maintain a site they could actively manage events

SIDE PROJECTS

Remote Controlled Robot Car

- Implemented a two wheel drive robot car using two 6VDC gear motors and a L298 Dual H-Bridge motor driver
- Interfaced NEC Infrared Transmission Protocol and an ATMEGA32 8-bit microcontroller to read remote IR signals
- Programmed the ATMEGA32 MCU to convert IR signals into +5v logic power supply for each gear motor

Robotic Tooling Arm

- Designed a two link robotic tooling arm to draw alphabets using co-ordinate based trajectory in Matlab/Simulink
- Implemented ANSIM toolbox in Simulink for design and simulation processes

LCD Twitter Feed Display

- Implemented series -1 (802.15.4) XBee antenna module to establish a P2P connection to Twitter4j library
- Implemented Arduino Duemilanove for bidirectional communication between receiving and transmitting units

Web Controlled Servo

- Developed Python code to establish connection between COM3 serial port and a Linux Web Server
- Implemented pySerial library, Arduino and a Savox SC-1258TG servo to perform mechanical tasks
- Implemented an H-Bridge circuit to drive the motor using TIP 127 PNP and TIP 120 NPN transistors
- Developed a PHP web application to remotely control the servo motor through a Linux Web Server

Laser Trip Wire System

- Interfaced a 532 nm 5mW laser pointer to aim at a cadmium sulfide(CdS) photoresistor
- Programmed an Arduino Uno to read resistive values from the LDR and supply output voltage to a piezo speaker

Online Expense Management System

- Developed a multiuser expense management system using PHP and MySQL to manage monthly utility expenses
 - Developed an automatic reporting system with real time email notification service.
-

AWARDS AND ACTIVITIES

Academic Scholarships

- Alma and Charles Pagnucco Scholarship (2013)
- Margaret Micheels Endowed Scholarship (2013)
- University of Wisconsin-Stout Chancellor's Award (5 semesters)
- Awarded Top Twelve IT students in Nepal by SchoolNet -Japan (2006)

Leadership and Involvement

- Public Relations Officer - UW Stout Branch of the Institute of Electrical and Electronics Engineers (IEEE)
 - UW Stout STEM Career Day – Trained high school students to program basic line following robots
-

REFERENCES

- Excellent references available upon request.