CHINTAN DAGLI

(269) 352-5309 chintan.v.dagli@wmich.edu

6321 High Pointe Circle, Portage, MI 49024

OBJECTIVE

To obtain a full-time job to provide quality engineering services and contribute to the organizational goals of the firm through continued growth of professional skills

EDUCATION

WESTERN MICHIGAN UNIVERSITY, Kalamazoo, MI August 2004 – June 2007

Bachelor of Science in Computer Engineering

Minors in **Computer Science & Mathematics** Grade Point Average: **3.58**

- Currently working on Senior Design Project titled 'Wireless Multinode Motion Detection System sponsored by Texas Instruments
- Named in the WMU Dean's List for 2004 and 2006
- Awarded the WMU Outstanding Student of the Year title for 2006

WORK EXPERIENCE

DIAGNOSTIC SYSTEMS ASSOCIATES, Kalamazoo, MI December 2006 – present

Hardware/Systems Engineer

- Design embedded applications in C for Motorola, Zilog and TI family of microcontrollers and provide firmware support with .NET PC applications
- Develop software and hardware solutions for the trucking industry that conform to SAE J1708, J1939 and K-line standards
- Provide customer support and to maintain and enhance relationship with clients

WESTERN MICHIGAN UNIVERSITY, Kalamazoo, MI

Mathematics Tutor September 2004 – December 2006

- Enhance students' understanding of mathematics and collectively develop strategies to solve problems involving finite mathematics and its applications
- Operate and manage the tutor lab with a capacity of over 25 students

PROFESSIONAL SKILLS:

- **Digital Design:** Design synchronous / asynchronous FPGA and CPLD chips in VHDL and Verilog using Xilinx and Mentor Graphics development tools
- **Embedded Systems:** Proficient in hardware communications using SPI, UART and BitBang. Experienced in working with CAN 2.0, SAE J1708, J1939, RS232, Key Word 2000, K-line and many other communication protocols. Familiar with real-time OS kernels such as uCos II
- **VLSI Design:** Develop IC layouts of transistor-level circuits using Mentor Graphics Design Architect and IC Station utilizing CMOS, PTL and pseudo-NMOS technologies
- **Software engineering:** Analyze, design and optimize code written in C++, Java, HTML, C# and VB .NET. Experienced in Windows, Linux, UNIX and Sun Solaris environments