

THOMAS STOUT – MS CpE 4.0 GPA

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OBJECTIVE

A position in **Computer Engineering** working with both hardware and software design in embedded systems and computer architecture where I can use the skills that I have developed over the last several years as a college student.

TRAINING

- Programming in C, C++, C#, Fortran, Java, Visual Basic, Lisp, Prolog, Verilog, Perl, PHP, Javascript, Flash, and HTML
- Hardware/Software system integration
- Data Encryption and Computer/Network Security
- Computer Architecture and Memory modeling in SimpleScalar
- FPGA Design with Verilog, Digital Logic Design, Finite State Machines
- Digital Hardware Design with Altera Quartus II, ModelSim, and Synplicity using Altera FPGA Boards
- Wireless Sensor Networks
- Printed Circuit Board Design with Eagle
- Experience with MFC and .NET
- A+, Network+, MCP, and CNA certifications
- Embedded System Programming

ACHIEVEMENTS

- Currently have a **4.0 GPA** in the Electrical Engineering graduate program at Michigan Technological University
- Undergraduate **3.93 GPA** at Michigan Technological University, Graduated Summa Cum Laude
- Member of the “Best Management Team” as recognized by the 2006 senior design/enterprise expo
- Chaos project won “Best New Product” at MTU 2005 senior design/enterprise expo
- Was on the Dean’s List at Michigan Technological University all four years as an undergraduate student
- On the honor roll at Marcellus High School for four years with a 4.0 GPA, class of 2002 valedictorian

EDUCATION

MS in Electrical Engineer with Computer Engineering Emphasis From Michigan Technological University Dec 2007
BS in Computer Engineering with Mathematics Minor From Michigan Technological University May 2006

Michigan Technological University, Computer Engineering 2002-2007

- Calculus, Physics, Chemistry
- Digital Signal Processing
- Discrete Mathematics / Combinatorics
- Information/Coding Theory / Data Compression
- Cryptography
- Java, C/C++, Fortran, Lisp, Prolog
- Computer Operating Systems
- Computer /Memory Architecture

EXPERIENCE

- **Software Programmer**, Computer Advisory Group 2004-2007
I have worked for several years as a computer programmer working mainly with Visual Basic and SQL database programming. I was responsible for the design, implementation, and maintenance of a software system that is used to assist nursing home facilities. I worked very closely with the customers in the design, implementation, and testing of the software and received a lot of solid first hand experience in working with customers and deadlines, as well as creating project specifications, debugging, troubleshooting, updating features, and several other tasks related to leading a software project.
- **Systems Administrator**, Wireless Communication Enterprise 2006
The enterprise program is a virtual company that exists within the university to work on research and development of new technologies. The entire program is student run with faculty advisors. As the systems administrator I was in charge of maintaining the lab equipment and was a member of the management team. As a member of the management team I worked with the president and several other officers to ensure that the enterprise ran smoothly. During the time I was serving on the management team we were recognized as the best management team during the 2006 enterprise expo.
- **Project Engineer**, John Deere Project, Wireless Communication Enterprise 2006
On this project I worked with embedded systems designing a handheld engine diagnostics tool. The project helped me to gain valuable experience with embedded programming, bus interfaces, and hardware/software integration.
- **Project Engineer**, Chaos project, Wireless Communication Enterprise 2004-2005
I gained valuable experience in wireless communication and encryption technologies while working on this project in the enterprise. I also gained experience in working with intellectual property issues.

REFERENCES

- Dr. Brian Davis
(916) 487-2256
EERC 711
1400 Townsend Drive
Houghton, MI 49931
- Rick Ouweleen
(269) 349-7645
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- Chris Nofsinger
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