

Nathan Thomas Palmer

Nathan Palmer
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Work Objective

I would like to use my IT skills in a dynamic work environment to further expand my horizons and knowledge base. I would also like to gain additional practical experience in a technical field.

Education

Forest Hill High School , Jackson, MS **GPA 3.61**

- Two years (A, AB) AP Computer Science
- AP Calculus

Mississippi State University, Starkville.MS **GPA 3.1**

Senior

- Computer Engineering Major
- Completed Computer Science III, Java 2, Microprocessors I, Electronic Circuits I
- Member of the Association of Computing Machinery
- Currently I am taking [Senior Design](#)
(Project webpage - http://www.ece.msstate.edu/classes/design/ece4532/2002_fall/theremin/)

Skills

Programming:

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| C++ | <ul style="list-style-type: none">• I have been programming in C++ ever since there was a "C++". I am proficient with the STL and both the Borland C++ and Visual Studio development environments (and of course gcc). |
| Java | <ul style="list-style-type: none">• I have recently learned Java2. I have limited experience with Java Applets and Servelets. |
| HTML | <ul style="list-style-type: none">• I have written and edited HTML for personal and business web-pages. |
| PHP4 | <ul style="list-style-type: none">• I use PHP4 for server-side scripting and interfacing with SQL databases. |
| (My)SQL | <ul style="list-style-type: none">• I have used SQL in class projects and professional web development. |

Technical:

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| Networking | <ul style="list-style-type: none">• I have experience with LAN networking, RJ-45 cable wiring, IP addressing. I also have experience with Linux and NT network operating systems. I also have experience with Cisco IOS.• I am also CCNA (Cisco certified Network Associate) and CCDA (Cisco certified Design Associate) certified. I also have Cisco Wireless Lan specialization certification. |
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| Repair | <ul style="list-style-type: none">• I have three years experience in computer maintenance, repair, and upgrading. I am A+ certifiable, although I have not yet tested. I have installed and troubleshot Linux, Win9X, NT, Win2K (server), WinXP, and DOS systems. I have built and repaired both server and workstation computers for MSU and surrounding businesses. |
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Engineering:

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| Microcontrollers | <ul style="list-style-type: none">• I have experience with programming and interfacing Microchip PIC Microcontrollers using the standard MPLAB Development Environment.• I also have experience with the SX series of MCUs from Ubicom. |
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| Circuit Design | <ul style="list-style-type: none">• I have classroom experience with the PSPICE circuit design software.• I also have experience with software based digital circuitry creation using VHDL. |
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| Misc. Software Tools | <ul style="list-style-type: none">• I have used many engineering related software tools. A few of these include MATLAB, Mathematica, PSPICE, MPLAB, Altera MAX+Plus, MicrocodeStudio, and Microsoft Project. |
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Work Experience

1999 – 2002 Unistar Computers / Sparco.com

Starkville, MS

<http://www.unistarcomp.com/>

- Technician / Sales
 - Worked to repair and upgrade computers for MSU and surrounding businesses and residences
 - Performed on-site calls for Unistar, ProTec, Howard, and CD Serve

2000 – 2001 Belle Epoque Liqueurs

Jackson, MS

<http://www.bestabsinthe.com/>

- Web Design / Administration
 - Completely designed and implemented the business website, complete with secure order processing and automated invoicing. I Also designed all graphics and logos dealing with BEL and the BEL website.
 - Integrated the site with MySQL for dynamic order processing.

2001-2002 Hinds County Human Resource Center

Jackson, MS

<http://www.mscommunityaction.org/site/>

<http://www.msroma.org/>

<http://www.clarkeveneers.com/>

- Web Design / Programming
 - Designed, created custom graphics, and coded several websites for the HCHRA. (Examples above)
- Networking and Repair
 - Serviced computers for Jackson's Headstart Program.
 - Ran cable and configured computer networks for Hinds County.
 - Serviced Linux and NT web, e-mail, DNS, Microsoft "Terminal Server", and DHCP servers.
 - Secured servers behind a Cisco Router with firewalling capability, using Cisco IOS.
 - Various other general computer troubleshooting.