

Address:
403 Laurence Lane
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(540) 961 – 7836

Matthew R. Learn

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Summary: I am currently working on finishing my Master's Degree in Computer Engineering at Virginia Tech while working full time as a programmer for the US Forest Service. My work deals with writing C/PERL based programs to write/access Oracle databases and write the results to HTML pages. While working on my degrees, I have gotten experience with most Microsoft Operating Systems, Oracle, MS SQL, Visual Basic, PERL and C.

Education: **Virginia Polytechnic Institute & SU** (www.vt.edu)

September 2001 – Present (Anticipated Graduation: Summer 2004)

Degree working towards: MS in Computer Engineering

August 1996 – May 2001

Degree Received: Bachelors in Computer Engineering

Experience: **Entomology Department at Virginia Tech**

May 2002 – Present (Full-time) (<http://www.ento.vt.edu/STS>)

Position: Slow The Spread of Gypsy Moths Programmer

Jobs: Document and update program written in C/PERL for project use

Design and maintain Oracle database to store program results

Generate reports based on Oracle data

MicrON Center at Virginia Tech

June 2001 – Present

(<http://www.micron.vt.edu>)

Positions: Database Developer, Programmer, Webmaster

Jobs: Develop Database to Manage: People, Instruments, Access, Usage, and Accounting for MicrON Facilities in Microsoft SQL

Develop Web interface and Visual Basic Based Interface

Center for Organizational and Technological Advancement

August 2001 – August 2002

(<http://www.cota.vt.edu>)

Positions: Webmaster and Database Developer/Administrator

Jobs: Develop Application for Managing Data

Integrate Data in Microsoft SQL Database with Website

Virginia Tech Virtual Corporation: PERTS

January 2000 – Present

(<http://www.perts.ece.vt.edu>)

Positions: COO, President, SCD Team Leader

Jobs: Manage Student Activities

Database Development and Maintenance

3D Modeling

Video Editing

MSE Department- (Holden Hall, Virginia Tech)

November 1, 1997 – August 2001

(<http://www.mse.vt.edu>)

Position: Network Administrator

Jobs: Manage NT Domain for MSE Faculty / Staff / Students (NT Based)

Manage Web Server (IIS), Mail Server (Exchange),

Database Server (SQL 2000 and File Maker)

General Computer Hardware/Software Maintenance

VPST (Virtual Prototyping Simulations Technologies)

July 1, 1998 – Aug 1999

(<http://www.vpst.org/>)

Position: Network Administrator

Jobs: Network Management

Virtual Reality Modeling (3D Studio Max)

Web Page Development

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(continued)

Experience: **Multimedia Lab** (Hancock Hall, Virginia Tech)
(continued) March 1997 – Aug 1999 [\(<http://www.multimedia.vt.edu>\)](http://www.multimedia.vt.edu)

Position: Lab Technician

Jobs: Install hardware and software
Help maintain an NT network, including Web Sever
Develop content for the Internet
Help users create multimedia demonstrations
Database Development

Boy Scouts of America

June 1989 - August 96

Rank Achieved: Eagle Scout

Positions held: Senior Patrol Leader, Junior Assistant Scout Master

Skills: Operating Systems:

DOS
WIN95/98
Win NT 3.5/4.0 Workstation/Server
Win 2000/XP Professional/Server
Including Active Directory
UNIX/Linux

Software:

ACAD, 3d Studio Max, Maya
Adobe Distiller/Photoshop/Premiere
Mathematica, Matlab
Netscape, File Maker Pro 4.0, Real Producer,
Pspice, Logic Works, VHDL
Microsoft Office 97/2000, Exchange, IIS 4.0, Netmeeting, Visio
Macromedia Flash/Authorware/Director
Microsoft SQL 2000, Administrate and develop databases on (4 years)
Oracle 9, Administrate and develop databases on (2 years)

Programming Languages:

HTML (7 Years)
ASP (4 Years)
C/C++ (5 Years and learning MFC)
Visual Basic (1+ Years)
Java (2 Year)
PERL (3 Years)
SQL (4 years) both Microsoft and Oracle