

Dackral Scott Phillips

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Professional Summary

Multifaceted experience with computer systems including design, assembly, operating system and other software installation, and networking across a variety of platforms. Experience with software application design, authoring, installation and maintenance. Experience in website and web-application design, implementation, updating, and maintenance.

Skills

- OS:** MS-DOS, Windows 3.1/3.11/95/98/Me/NT/2000/XP, Linux, Sun OS/Solaris, BSD UNIX
- Languages:** C, C++, HTML, Java, JavaScript, OpenGL, Perl, PHP, SQL (Oracle & MySQL), Visual Basic, Voice XML, XHTML, XML (RDF, RDFS, DAML+OIL)
- Software:** High familiarity with a wide variety of Windows, Linux, Sun OS/Solaris, and BSD UNIX applications
- Hardware:** IBM Compatible PC Hardware, Sun Microsystems Hardware
- Networking:** Linux Networking, NFS, RJ-45 Cable Fabrication (Crossover and Patch), Samba, Windows 95/98/Me/NT/2000/XP Networking
- Process:** CMM, Structural and Functional Testing, Software Metrics, Systems Integration, Process Models (Waterfall, Incremental, Cleanroom, Scrum, XP, PSP, etc.)

Work History

8/2004 – Present

Part-Time Instructor at Wallace State Community College

- Taught two (2) night classes with approximately twelve (12) students in each
- Designed tests, and assignments to be completed by students to gauge subject proficiency

3/2004 – Present

Video Editor/Graphics Artist for Alpine Advertising

- Digitized video footage and used computerized digital editing to create television commercials and local cable access television shows
- Created web banner ads, print ads and graphics elements for use in these ads
- Responsible for equipment set up (video, sound, and lighting) for television filming
- Performed minor Network Administration tasks (installing software, running Cat 5 cable, solving network problems, etc.) as necessary
- Made software and hardware recommendations and purchases for upgrading computer equipment
- Redesigned the company website, www.alpineadvertising.com, with a more aesthetic design

4/2003 – Present

Volunteer Webmaster/Network Administrator for Union Hill Baptist Church

- Designed, updated, and maintained www.unionhillbaptist.org website
- Authored web-applications using Javascript, PHP, and MySQL for use on the site
- Installed Cat 5 Networking cable to connect three computer systems
- Installed Windows 2000 and Windows 98 SE operating systems on computers
- Networked computers running Windows 2000, Windows 98 SE, and Windows XP
- Provided technical support and consultation for computers and software

9/2001 – 8/2002

Webmaster for the Department of Computer Science & Software Engineering at Auburn

- Maintained and updated an existing website with new information as needed
- Reformatted old information into more aesthetically pleasing formats

8/2001 – 5/2002

Graduate Teaching Assistant for COMP2210 (Data Structures in Java) at Auburn

- Supervised approximately 45 students per semester
- Lectured on Java data structures and algorithms
- Assigned and graded quizzes and programming assignments
- Aided students with problems

2/2001 – 8/2003

Programmer and Webmaster for the Department of Entomology and Plant Pathology at Auburn

- Developed software to extract weather data from the Internet
- Developed software to convert weather data into HTML format
- Designed, updated, and maintained a web site front end to display the data

Personal Experience

- Designed and built IBM compatible PCs for friends, relatives, and acquaintances
- Upgraded computer hardware for personal use including motherboards, RAM, video cards, sound cards, CD-RW drives, and Ethernet Cards
- Installed a variety of operating systems including Windows 95/98/2000/XP, Red Hat Linux, Slackware Linux, and FreeBSD for friends, acquaintances and personal use
- Networked Windows 2000 and Red Hat Linux computers for personal use
- Utilized Samba under Red Hat Linux to provide network storage for personal use
- Fabricated and installed Cat 5 cable (crossover and patch) for friends, acquaintances, and personal use
- Provided website consultation (CSS, HTML, Javascript, MySQL, PHP) for friends

Education

8/2002	Auburn University - Auburn, AL M. S. of Computer Science and Software Engineering • Specialization in Intelligent and Interactive Systems	GPA: 3.73/4.00 <i>Magna Cum Laude</i>
5/2001	Auburn University - Auburn, AL B. S. of Computer Science • Concentration in German	GPA: 3.49/4.00 <i>Cum Laude</i>
8/1998	Wallace State Community College - Hanceville, AL A. S. of Computer Science • Specialization in Computer Programming	GPA: 3.90/4.00 <i>Summa Cum Laude</i>
5/1996	Oneonta High School - Oneonta, AL Advanced Academic Diploma	GPA: 3.96/4.00

Academic Concentration

Graduated with a concentration in Intelligent and Interactive Systems, allowing a graduate study focus on applications in artificial intelligence; human-computer interaction; and user-interface design, development, and evaluation.

Academic Defense

Master's degree defense explored a software product, designed and implemented in Java to allow web developers to add content to websites that can be understood not only by humans, but also by artificially-intelligent computer agents via the semantic web.

Academic Research

Performed directed graduate study on a context-based image retrieval system. Used Oracle Database in conjunction with the Pro*C/C++ language, as well as PHP and a MySQL database to construct mock e-commerce websites; Authored an artificially-intelligent system in Java capable of solving a classical artificial intelligence problem using six different methods including genetic search, steepest-ascent hill climbing, and next-ascent hill climbing; Authored a case study in web design; Designed and implemented a restaurant phone menu system in Voice XML;