

James L. Hubbard III

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Education

- M.S. Applied Physics and Computer Science - Emphasis in C.S. Christopher Newport University - December 2002
- B.S. Computer Information Systems University of Virginia's College at Wise - May 1998

Experience

Software Engineer: February 2006 - Present

Alion Science & Technologies; Norfolk, Virginia

- BMH Associates purchased by Alion Science & Technologies
- I am the Project Engineer for a project that has included as many as eight developers. My responsibilities include interacting with the customer's technical point of contact to set priorities, tasking, managing budgets, and software development.

Software Engineer: March 2003 – February 2006

BMH Associates Inc.; Norfolk, Virginia

- I worked on projects covering the entire software life cycle. I participated in generating the statement of work, gathering requirements, developing estimates for level of effort and schedules, writing/modifying software and documentation, testing, and delivery. All projects involved modeling and simulation applications.
- Existing applications were extended by developing new behavioral models, modifying code and interacting with other simulations applications on HLA networks. Projects required interacting with customers to resolve technical issues via telephone, email, and on-site support.
- I served as a technical lead for a small team, participated in the hiring of software engineers and project engineers, and mentored new employees.
- Clearance: Secret

Research Assistant: November 2001 - December 2002

Christopher Newport University; Newport News, Virginia

- Research Assistant working with the GlueX Collaboration at Jefferson Lab, while attending school full time. My primary responsibility was writing software, in Java, to analyze and aid the interpretation of simulated data, for use in the construction of the hardware trigger. This project served as the basis for my thesis.

Systems Coordinator: January 1998 - August 2001

Thompson + Litton, Engineers and Architects; Wise, Virginia

- Job responsibilities were typical of a Systems/Network Administrator
- Configuration, maintenance and monitoring of:
 - Servers - Multi-server RedHat Linux, Novell 5.0, and Windows NT Terminal Server 4.0

- Wide Area Network connecting 4 offices via a meshed frame-relay network and Virtual Private Network (VPN) over DSL, using Cisco and Linux routers.
- Providing technical support to employees in all offices on a variety of software and hardware products.
- Recommending and purchasing of hardware, software, and services.
- Wiring of offices.
- Internet and intranet web site development utilizing RedHat Linux, Apache, PHP, and PostgreSQL.
- Part-time employee from September 1996 until January 1998.

Systems Administrator: March 1997 - March 1998

Wolfe & Farmer, Attorneys at Law; Norton, Virginia

- Duties included maintaining network and database integrity, preparation of reports, upgrading computers, installation of new computers and software, and providing technical support and training to staff. Began as filing clerk. Employed during school breaks from 1992 - 1995. Part time employee beginning September, 1996, while attending UVA Wise.

Skills

- **Languages:** C/C++, Java, PHP, SQL, HTML, XML, (Learning Ruby)
- **Operating Systems:** RedHat Linux 4.1-9, Fedora Core, Cisco, Windows 2000 Pro & Server
- **Software:** Joint Semi-Automated Forces, High Level Architecture (RTI-NG 1.3 and RTI-S), Apache, Samba, PostgreSQL, Sendmail, Bind (DNS), DHCP, MS Office, Wind2 Financial Management System, Crystal Reports
- **Networking:** Ethernet, Wide Area Networking Technologies, Virtual Private Networking