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Work Experience

Phacil Inc. Newark NJ	**Senior Software Engineer Sept. 2003 – Current** Responsible for developing User Interface software for controlling radio surveillance systems for the U.S. Army. Also responsible for developing some internal web sites. Included exposure to **C++**, **Java**, PHP, Apache, SQL, MySQL
The MITRE Corporation Eatontown NJ	**Software Systems Engineer Dec. 1999 - July 2003** Received corporate award for outstanding project work July 2001. Responsible for building and demonstrating the integration of technologies such as **Java**, **C++**, CORBA, JINI, Linux, client/server and n-tier architectures, Thin clients, J2EE, MS .NET into military command and control systems. Systems were used for the purpose of on the go command and control, military war gaming, and supporting troops in Operation Iraqi Freedom. Worked on systems such as ABCS, MCS, FBCB2, and FCS. Included exposure and use of SQL, Linux, DCE, COM, XML, C#, Informix and Oracle, Speech Recognition, **Java**, **C++**, and EJB.
Monsignor Donovan High School Toms River NJ	**Java/C++ Instructor Sept. 2001 – July 2003** Volunteer High School Teacher, conducting courses in Introduction to Computer Programming in **C++** and **Java**. (This work is in conjunction with an IEEE program for schools not able to afford technology instructors) The course was an elective necessary for graduation for these students.
The MITRE Corporation Eatontown NJ	**Intern May 1999 – Sept. 1999** Analyzed several other projects' source code for purposes of system modeling and debugging purposes. Also created several small **Java** and **C++** based applications for proof of concept purposes. Included exposure to technologies such as **Java**, **C++**, JINI, Solaris, and RMI.
Material Science Department - Virginia Tech Blacksburg VA.	**Java Programmer/Research Assistant Jan 1999 – Dec 1999** Created several small **Java** applications for embedding into a HTML educational CD for distribution to students. Educational material allowed students to explore Material Science concepts without getting caught up in the Mathematics
Computer Science Department - Virginia Tech Blacksburg VA.	**C++ Teaching Assistant Sept. 1998 – Dec 1998** Responsible for keeping office hours in undergraduate Computer Science Lab. Responsible for answering questions about materials presented in class and grading assignments.
AT&T Middletown NJ	**Intern May 1998 – Sept. 1998** Duties performed included Software Developer for testing and comparison of technologies such as RMI, CORBA, and COM. Solaris Administrator after project completion.

Education

- **MS Computer Science,** Monmouth University West Long Branch NJ, 2006
- **BS Mathematics**, Virginia Polytechnic Institute and State University (Virginia Tech) Blacksburg, VA 1999
- **BS Computer Science**, Virginia Polytechnic Institute and State University (Virginia Tech) Blacksburg, VA 1999

Technology Related Courses

Computer Graphics	Object Oriented Programming
Compiler Design	Algorithm Analysis
Computer Network	Introduction to AI

Computer Skills

Operating Systems: Linux, Solaris, Windows

Software: MS Office, Informix, Oracle, Visual Studios, GNU gcc, CVS, Clear Case

Languages and APIs

C/C++	6 years	Java	6 Years
CORBA	5 years	Visual Basic	1 year
SQL	2 years	MS .NET	6 months
Direct X 8.1	6 months	Auran Jet 3D	6 months
OpenGL	6 months		

Presentations and Publications

- <u>Design Patterns for Software Thin Client Architectures,</u> Wilkes, Abelson, and Shrum. Presented at the "Software Technology Conference" in Salt Lake City, Utah on May 3rd 2001. Materials available on request.
- <u>Principles and Applications of GSM,</u> J. Wilkes, E. Garg, 1997. Responsible for C/C++ software included with book.

Activities and Hobbies

- International Game Developers Association, Bloomfield, NJ Chapter.
- Member of Association for Computing Machinery Student Chapter at Virginia Tech President, fall 1998 - summer 1999
- The Boys Scouts of America, 7 years, positions held during that time include: Historian, Librarian, Assistant Patrol Leader, and Junior Assistant Scout Master.
- Music (guitar and bass) as well as sound engineering
- Painted River Theater Co. www.paintedriver.org
- Subtitling and watching Anime. Timed and subtitled 42 episodes, 22-24 minutes

References

Ed Shrum eshrum@mitre.org The MITRE Corporation 732-935-5597	Ron Hammel ronald.hammel@c3smail.monmouth.army.mil The MITRE Corporation 609-713-1611
Anthony Kim akim@mitre.org The MITRE Corporation 732-389-6740	Michel Michel Self Employed / Realtor 732-224-9250