BENJAMIN ANDREW PICK
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Objective
Seeking a position that will utilize and enhance my skills in computer and software security.

Technical Knowledge
Development Environments: PC, Mac, and Sun computer systems, Windows, Linux, UNIX, Mac OS X, MS-DOS, and Solaris operating systems
Development Languages: Java, J2EE, JSP, Struts, JDBC, JESS, XML, SQL, Perl, MATLAB, C, Emacs Lisp, LaTeX, Scheme (Lisp), QT, HTML, CGI (Perl), R, Fortran, BASIC
Development Applications: JBuilder, Eclipse, InstallAnywhere, Dreamweaver, Emacs

Education
Johns Hopkins University – Baltimore, MD
Candidate for double Masters Degree: Masters of Science in Security Informatics and Masters of Science in Engineering (Computer Science), May 2007
National Science Foundation "Scholarship for Service" (SFS) fellow.
Classes include: Advanced Topics in Computer Security, Network Security, Cryptography and Network Security, Database Systems, Computer Vision, Java Security, Computer Forensics, Computer Networks, Statistical Methods in Computer IDS, Rights in the Digital Age, Financial Issues in Managing a Secure Operation, Health Information Privacy Law and Policy, Law and Policy of Information Assurance, Healthcare Security Management.

Massachusetts Institute of Technology – Cambridge, MA
Bachelor of Science in Computer Science and Engineering, February 2002
Relevant classes include: Network and Computer Security, Laboratory in Software Engineering, Computer Systems Engineering, Computation Structures, Structure and Interpretation of Computer Programs, Algorithms, Linear Algebra, Artificial Intelligence.

Boston University – Boston, MA   September 1997 – May 1998
Dean's List – 2 semesters.
Classes include: Engineering Computation, Computer Aided Design, Digital Image Processing.

Relevant Projects at Johns Hopkins
- Spring 2007 – Automated detection of digitally manipulated images (Ongoing Masters in Computer Science Individual Project)
- Spring 2007 – Development of secure software metrics (Ongoing Masters in Security Informatics Individual Project)
- Fall 2006 - "Writing 'The Right to Privacy' Today" (Rights in Digital Age Individual Paper)
- Spring 2006 - "Explicating FISMA" (Team) and "Analysis of ECHELON" (Individual) Papers (Law and Policy of Information Assurance)
- Spring 2006 - "A Social Network Analysis of Enron Emails" (Statistical Methods in Computer Intrusion Detection Individual Project)
- Fall 2005 - Development of a software framework for a secure audit in the "Voluntary Voting Systems Guidelines" (JHU Adv. Computer Security Team Project)

Experience

Johns Hopkins University Applied Physics Laboratory, Laurel, MD
Technical Aide May 2006 – August 2006
• Developed a document explaining Certificate Authorities (including PKI) and described alternatives for management to determine how to authenticate representatives from various federal agencies for an information sharing environment.
• Analyzed feasibilities of streamlining a Certificate Authority.
• Developed software for Resource Broker development environment.
• Edited and annotated a 400-page document on an information sharing environment between Federal agencies.

Heroix Corporation, Newton, MA
Software Engineer January 2003 – December 2003
• Developed consolidator for management station using Java and JDBC using the JBuilder integrated development environment
• Parsed XML-formatted data from agents to consolidate into the open-source database using hand-rolled Java parser, JDBC, and SQL
• Developed database tables in SQL to record data from agents
• Wrote Java code to manipulate newly added data to database for easy retrieval for the user interface portion of software.
• Created installer for the product under development using InstallAnywhere to install on various flavors of Windows, Linux and Solaris operating systems.
• Part of a team that developed a user interface layout using Dreamweaver
• Created View and Controller components (from the Model-View-Controller pattern) for the user interface using JSP and Struts along with Java code (for the back end).
• IT administration for various company systems

MIT Lab for Computer Science, Cambridge, MA
Research Assistant June 2001 – January 2002
• Designed and developed file sharing system for the wireless handheld device using the QT programming language on a UNIX operating system environment
• Developed this file sharing system as part of the Parallel and Distributed Operating Systems Group's "Grid" research for LCS Project Oxygen.

Fidelity Investments, Network Management Systems Group, Boston, MA
Intern June 2000 – August 2000
• Created web base control center with Perl/CGI scripts to monitor the status of a network of critical Fidelity servers.
• Developed a patch info web page for Network Management Systems programs using Perl
• Created Perl scripts for managing logs and alarms
• Designed rules for alarms and notifying people of alarms.

Other Languages

Fluent in Sign Language, Proficient in Hebrew