

Benjamin Collins

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RESEARCH & PROFESSIONAL INTERESTS Information security, operating systems, distributed systems, digital communications, network security, cryptography, embedded systems.

EDUCATION **Texas A&M University**, College Station, Texas
Department of Computer Science
M.S. Candidate, Computer Engineering. Expected graduation December 2004.

- GPR: 3.4
- Advisor: Riccardo Bettati

B.S., Computer Science, December 2002.

PROFESSIONAL EXPERIENCE **Virtual Network Engineering Lab, Texas A&M University**, College Station, Texas
Graduate Assistant **January, 2003 - present**
Participate in lab research products and course-related activities, including a graduate network security course and a research project on possible defenses against DDOS attacks. Also responsible for vendor testing and evaluation and various programming and administration tasks.

Department of Computer Science, Texas A&M University, College Station, Texas
Peer Teacher **August 2002 - December 2002**
Responsible for helping students with lower level computer science material outside of class, aiding the lab teaching assistant during lab time. Put extra effort into maintaining website with useful information for students regarding subject material and class information.

Microsoft Corporation, Redmond, Washington USA
Summer Intern **May 2001 - August 2001**
Software development intern on Windows Shell test team. Responsibilities include writing automation software for Windows Shell testing, daily automated stress tests.

HONORS AND AWARDS Dwight Look College of Engineering Distinguished Student, 2000

SUBMITTED PUBLICATIONS B. Collins, Y. Li, and R. Mahapatra. ASEP: An application specific encryption processor. Submitted to *Microprocessors and Microsystems: Special Issue on Secure Computing Platforms*. Summer 2004.

SKILLS

- Languages: Assembly, C, C++, Java, PHP, C# some use of Unix shell scripts, VHDL, SystemC
- Software: Matlab, Octave, office software, Altera digital design, Visual C++, gcc & GNU binutils
- Operating Systems: Windows, Linux, OpenBSD, Solaris
- Other skills: experience with routers and switches, network and system administration.