

# JANITHA KARUNARATNE

30302 West Legends Trail Drive • Spring • Texas 77386 • (979) 204-1057 • Janitha@Janitha.com • Janitha.com/resume

## EDUCATION

Present **Computer Engineering Major, Mathematics Minor**, December 2008  
Texas A&M University, College Station, Texas

2004 Fall **Outstanding Academic Achievement Award**  
Dwight Look College of Engineering, Texas A&M University

2004 Spring **High School Diploma** – A&M Consolidated High School

2004 Spring **CompTIA Network+ Certified** – Network System Technician Certification

2004 Summer **CompTIA A+ Certified** – Computer Software and Hardware Certification

## WORK

## EXPERIENCE

2008 Summer **Cisco Systems, Security Technology Group, Intern** – *San Jose, California*  
Complete Port of the ASE Collector system from Linux to the Cisco AXP along with dependencies including Apache, PostgreSQL, libc, web interface and databases  
*CAP Individual Achievement Award for successful development of project*

2008 Spring **Real Time Lab** – *Computer Science Department, Texas A&M University*  
Explored and developed a proof-of-concept for stealth wiretapping and live data injection on Twisted Pair Ethernet networks  
*Computational Sciences Session winner for 2008 Student Research Week*

2007 Summer **Cisco Systems, Security Technology Group, Intern** – *San Jose, California*  
Elephant Trap – Development and analysis of an efficient method to detect heavy-hitter network flows and anomalies for worm/viruses detection. Automatic Signature Detection project, bug fixes and feature additions to Cisco IOS

2005 – 2007 **Department of Statistics** – *Texas A&M University*  
Student Technician – Support/Maintenance of hardware/software desktops/servers in mixed Windows, Linux, and Macintosh environment

2004 Fall **Mechanical Engineering Department** – *Texas A&M University*  
Assist in research & building robots at the Controls laboratory  
Assemble & solder electronic components and circuitry need for the robots

2003 Summer **Garrett Engineering** – *Bryan, Texas*  
IT Administrator, CAD Drafting with AutoCAD/VisiSOFT

## EXTRACURRICULAR & VOLUNTEER ACTIVITIES

2005 – Present **ACM ICPC Team** – *Texas A&M University*  
International Collegiate Programming Contest using C/C++

2005 – Present **TACS** – *Texas A&M Computing Society, Texas A&M University*  
Webmaster, past programming vice president

2005 – Present **IEEE** – *Texas A&M University*  
Institute of Electrical and Electronics Engineers, student member

2001 – Present **Sri Lanka Association** – *Texas A&M University*  
Webmaster, past president

2000 – 2004 **Robotics Club** – *A&M Consolidated High School*  
Team leader & active member. Designed, simulated & built a robot with limited resources and time for the B.E.S.T robotics competition

2002 – 2004 **SkillsUSA Club** – *High School* – 3D Animation competitions

2002 – 2004 **BPA, TCEA and UIL** – *High School* – C/C++ Programming competitions

2003 Summer **Lincoln Community Center** – Volunteer computer administrator

2003 Summer **George Bush Presidential Library** – Special exhibits area setup

## INTERESTS

Network Security, Communications, Robotics, Electronics, Web/Graphics Design, Home Automation  
Hobbies: Designing/Building (HD LED based Movie Projector, Potatoes Cannons, Asterisk VoIP)

## SKILLS

Proficient in C, C++, Java, Bash, Python, PHP, SQL, Verilog, Digital and Analog electronics, Windows/Linux/Unix environments, Web servers, Security, Networking and PC Hardware, MatLab, Pspice, AutoCAD, Discreet 3DSMax, SolidWorks, Adobe Photoshop/Flash/Dreamweaver