

YASH SHAH

Email: shah_yash10@gatech.edu Website: <http://www.yshah.me> Ph. (cell): (+1) 404-935-2739

OBJECTIVE

- Seeking a Full-time position to maximize learning and application of knowledge from opportunities available. I do not seek to limit myself in any way and am always eager to learn diverse skills that I may come across.

ACADEMICS

- **M.Sc.** in Electrical and Computer Engineering, Georgia Institute of Technology **Graduating: Dec, 2015**
Major: Telecommunication/Network Security, **Graduate GPA: 3.5**
- **B.E.** in Computer Science, Visvesvaraya Technological University, India **Graduated: June, 2012**

PROFESSIONAL EXPERIENCE

- **Graduate Teaching Assistant** at Georgia Institute of Technology from May, 2015 – ongoing
 - GTA for the OMS-CS Computer Networks course
- **Floor Manager** at Ashok Rubber Industries from May, 2013 – December, 2013
 - In-charge of Logistics, Equipment Management and Product Quality Testing
 - Management of 40+ personnel's working in 3 shifts
- **Intern/Part-Time Web Developer** at Time Travels Pvt. Ltd. from November, 2012 – December, 2013
 - Development of the company website and Central Data Management Systems
 - The system replicates and optimizes the existing DOS based software to an online interface
- **Intern** at Mark Steels Limited from July, 2012 – September, 2012
 - Created a centralized Data Management and Reporting Interface connecting remote office systems to a central facility

COURSES TAKEN

- | | | |
|-------------------------------|---------------------------------|--------------------------------|
| • Computing and Society | Intro to Information Security | Wireless Networks |
| • Broadband Access Networks | Network Security | CAD for Communication Networks |
| • Computer Network Security | Cyber Physical Systems | Special Problem (Research) |
| • Adv. Programming Techniques | Database Sys, Concepts & Design | Advance Computer Security |

PROJECTS

- **BlackThread: predicting malicious intentions**
 - A web domain classifier built to identify the malicious nature of websites based on content, context, lexical and DNS analysis of the domain
- **Targeting Torrents** (research problem)
 - Analyzing network traffic of large sub-nets to identify and classify torrent activities.
- **Unified Services for Home Area Network** (research paper)
 - Researched the current state of Home/Personal Area Networks and proposed a solution for the unification of the various systems within the Network under a single system
- **Worm Propagation Modelling**
 - Simulated the propagation of a worm on various network topologies to identify its rate of propagation and its corresponding effects on the network
- **Information Security** (Presentation)
 - Demonstrated exploits on WEP/WPA encryption and Hotspots (man-in-the-middle) to obtain the network key and sniff network traffic
- **Undergraduate Capstone Project**
 - Optimized computer based DNA sequencing algorithm using the Hadoop Distributed System framework to reduce the total time taken in the processing of a DNA string

TECHNICAL SKILLS

- **Programming languages:** C/C++, Python, Java
- **Others:** Php, JavaScript, jQuery, Shell, Html5/CSS3, Django, CakePhp, Slim, Jekyll, MongoDB, Scrappy

SOCIAL AND EXTRA-CURRICULAR

- Member of Eta Kappa Nu - HKN, ECE honor society
- Member of the Grey-Hat security Club
- Member of DC404, DefCon Atlanta Chapter
- Chaired as Head of Technical Events for Infinity fest, 2012
- Chaired as Head of Resource Management for Knowledge Utsav National Conference (2011)
- Volunteer and Participant of Go-Green and City Beautification Projects
- Organizer and Participant of Blood Donation Drives during my undergraduate education
- Secured 2nd and 3rd position in Programming & Debugging contest at Infinity Fest, 2010-2011