YASH SHAH

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

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.

ACADEMICS

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

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
- **Other languages**: Php, JavaScript, Tcl, Shell, Html/CSS

SOCIAL AND EXTRA-CURRICULAR

- Member of HKN, ECE honor society.
- Member of the Grey-Hat security Club
- Chaired as Head of Technical Events for Infinity fest, 2012.
- Chaired as Head of Resource Management for Knowledge Utsav (2011), a national conference with 400+ delegates presenting papers and conducting talks.
- Active follower of the Go-Green initiative and City beautification projects.
- Organized annual blood donation drives during my undergraduate education.
- Secured 2nd and 3rd position in Programming & Debugging contest at Infinity Fest, 2010-2011.

MISCELLANEOUS

- Interested in Philately and Numismatics
- Multilingual – English, Hindi, Marwari, Bengali