**Siddarth Senthilkumar**

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**EDUCATION\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Georgia Institute of Technology –** Atlanta, GA B.S. Computer Science

GPA: 3.76 August 2014 – December 2017

Focus: Systems & Architecture, Networks

Coursework: Compilers, Number Theory, Operating Systems, Networks

**EMPLOYMENT\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Georgia Institute of Technology –** Atlanta, GA August 2016 - Present

**CS 2200 Teaching Assistant**

* Computer Systems & Networks: Recursive assembly, pipelined processing, CPU scheduling algorithms, memory management, caching, multithreading, network protocols

**Windsor Ponds Condominium Association -** Princeton Junction, NJ July 2015 – August 2015

**Web Document Scraper**

* Wrote web scripts to automate downloading and scraping of nearly 1000 documents in preparation for migration to new server. Used Python to sort documents into file schema.
* Tools Used: JavaScript, Python, Beautiful Soup and Selenium web parsing/automation libraries

**ACTIVITIES\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**GreyHat Information Security Club**

**President** May 2016 - Present

* Weekly presentations to members of Georgia Tech community on security news and exploits.
* Introductions to penetration testing, reverse engineering, security software, and Linux tools.

**CTF Captain** August 2015 – May 2016

* Led Georgia Tech’s cybersecurity hacking team when it placed 13th out of over 1000 competitors in NYU’s CSAW CTF competition. Qualified for and competed at finals onsite in NYC.
* Taught new members skills in cryptanalysis, penetration testing, steganography, and reverse engineering. Problems & write-ups available at <http://sidsenkumar11.github.io/greyhat.html>

**PROJECTS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Cryptanalysis/CTF Competition Toolkit** Present

* Developing and compiling tools to analyze CTF problems automatically.
* Some samples include automatic cipher decryption tools for simple ciphers such as substitution, numerical base converters, and dictionary brute force attacks on hashes.
* Tools written in C, Python, Java, and JavaScript

**FitMe** September 2015

* Android App written at hackathon that connects users to personal fitness trainers in their area.
* Tools Used: Android Studio, Java, Capital One “Nessie” API

**AWARDS & DISTINCTIONS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Placed 13th/1367 in National Cybersecurity Competition (CSAW CTF) September 2015

Faculty Honors (4.0 GPA semester) May 2015

**SKILLS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

* Programming Experience: Java, C, Python, HTML, CSS, JavaScript, Android, VBA
* Frameworks Experience: JavaFX, Swing, jQuery