

# 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, BeautifulSoup 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 13<sup>th</sup> 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 13<sup>th</sup>/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