

# Siddarth Senthilkumar

sidsenkumar11@gatech.edu · sidsenkumar11.github.io

Princeton, NJ · U.S. Citizen

## EDUCATION

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### Georgia Institute of Technology

B.S. in Computer Science, GPA: 3.81

Systems & Networks Specializations

Selected Coursework: Compilers, Number Theory, Databases

Atlanta, GA

*Expected December, 2017*

## EXPERIENCE

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### Georgia Institute of Technology

CS 2200 Teaching Assistant, Computer Systems & Networks

Atlanta, GA

*Fall 2016*

- Conducted in-class demonstrations about operating systems and computer architecture concepts.
- Fielded students' questions, taught recitations, and graded assignments.
- Covered: Assembly, Pipelined Processing, CPU Scheduling, Memory Systems, Network Protocols

## ACTIVITIES

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### GreyHat Information Security Club

President

*August 2016 - Present*

- Gave weekly presentations on security topics to the Georgia Tech community.
- Taught basic skills in cryptanalysis, penetration testing, reverse engineering, and steganography.

Cybersecurity Competition Team Captain

*August 2015 - May 2016*

- Led Georgia Tech's cybersecurity CTF competition team over the course of a year.
- Placed 13th out of 1000s of competitors in a national cybersecurity competition (CSAW CTF).
- Authored problems for Georgia Tech's \$400 funded cybersecurity competition, GreyH@t CTF.

## PROJECTS

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### Travel Planner (HTML, CSS, Materialize, Python, Flask, MySQL)

- Created a Flask website that interacts with a MySQL database to plan and pay for vacation trips.

### Malloc/Free Algorithm Simulator (C)

- Developed a simulator of the C programming language's memory allocation algorithms, in C.
- Dynamic allocation and re-allocation implemented using two schemes; address and size ordering.

### Web Data Extractor (Python, BeautifulSoup, Selenium WebDriver)

- Saved local homeowner association hundreds of dollars in costs by assisting in server backup.
- Automated the downloading of over 900 internal documents from old data server using Python.
- Created physical backups of web data by developing scrapers to save the data to spreadsheets.

## SKILLS

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### Languages

Java, Python, C, HTML

### Frameworks

JavaFX, Swing, Bootstrap, Materialize, Flask, PyQt, Selenium, BeautifulSoup

### Databases

MySQL, SQLite

### Tools

Linux, Vim, Git, Android Studio, LaTeX