

Siddarth Senthilkumar

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Princeton, NJ · U.S. Citizen

EDUCATION

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

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

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

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.

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.

Portfolio Website (HTML, CSS, Bootstrap, JavaScript, jQuery)

- Created a portfolio website showcasing skills and projects. jQuery used for SmoothScroll.

SKILLS

Languages

Java, Python, C, Scala, HTML, CSS

Frameworks

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

Databases

MySQL, SQLite

Tools

Linux, Vim, Git, Android Studio, LaTeX