

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

Coursework: Compilers, Number Theory, Databases

Atlanta, GA

Expected December, 2017

EXPERIENCE

Georgia Institute of Technology

Teaching Assistant, Intro. to Computer Systems & Networks

Atlanta, GA

Fall 2016

- Conducted in-class demonstrations, fielded students' questions, and graded assignments.
- Covered: Assembly, pipelined processing, CPU scheduling, memory systems, network protocols

Windsor Ponds Condominium Association

Web Data Extraction

Princeton, NJ

Summer 2015

- Automated the download and data extraction of over 900 documents from a legacy database using Python's BeautifulSoup and Selenium web parsing/automation libraries.

ACTIVITIES

GreyHat Information Security Club

President

August 2016 - Present

- Presented weekly lectures on security news and exploits to the Georgia Tech community.

Cybersecurity Competition Team Captain

August 2015 - May 2015

- Led Georgia Tech's cybersecurity hacking team to 13th place out of over 1000 competitors in NYU's CSAW CTF competition. Traveled to NYC to compete for finals in a select team of four.
- Taught basic skills in cryptanalysis, penetration testing, reverse engineering, and steganography.

PROJECTS

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. Used JavaScript and jQuery for Smooth-Scroll effects and Bootstrap for responsiveness.

SKILLS

Computer Languages

Java, Python, C, HTML, CSS, JavaScript, Android, VBA

Frameworks

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

Databases

MySQL, SQLite

Tools

Linux, Vim, Android Studio