

Siddarth Senthilkumar

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U.S. Citizen

EDUCATION

Georgia Institute of Technology

B.S. in Computer Science, GPA: 3.83

Specialization: Systems & Networks

Elective Coursework: CompArch, Number Theory, Compilers

Atlanta, GA

Expected December, 2017

Georgia Tech Lorraine

European Study Abroad Program, GPA: 4.00

Coursework: Python, Databases, Statistics

Metz, France

Summer 2016

WORK EXPERIENCE

Booz Allen Hamilton - Dark Labs

— Malware Analysis Intern

Annapolis Junction, MD

Summer 2017

- Analyzed and reverse engineered malware samples to discover behaviors.

Georgia Institute of Technology

— Teaching Assistant - Computer Systems & Networks (CS 2200)

Atlanta, GA

Fall 2016 - Present

- Conducted in-class demonstrations about operating systems and computer architecture concepts.
- Created weekly assignments and held recitations, providing all-round for course related activities.
- Covered: Assembly, Pipelined Processing, CPU Scheduling, Memory Systems, Network Protocols

— Research Assistant - High Performance Computing

Fall 2016

- Wrote test-bench code to time triangle counting algorithms on dynamic graph data structures.

ACTIVITIES

GreyHat Information Security Club

— President

August 2016 - May 2017

- Organized weekly presentations on security topics for 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).

PROJECTS

FPGA Pipelined Processor (Verilog)

- Designed a five-stage pipeline on an Intel FPGA for a processor design course.
- Ran benchmark assembly code at 120MHz, with fastest completion time in the class.

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

- 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.

SKILLS

Languages C, Python, Java, Verilog, HTML

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

Tools Linux, Vim, Git, gdb, tmux, zsh, VS Code