

# kris satya

computer science and math student at georgia tech

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## education

Georgia Institute of Technology

📅 Aug. 2018 - May 2022

**B.S. in Computer Science, B.S. in Mathematics** GPA: 4.0

📍 Atlanta, GA

**CS Concentrations:** Intelligence & Systems Architecture

**Selected Coursework:** Design & Analysis of Algorithms *Honors*, **Data Structures & Algorithms**, Intro to Robotics & Perception, Automata & Complexity (IP), Probability & Statistics, Applied Combinatorics

## software experience

Georgia Tech College of Computing

📅 Aug. 2020 - Dec. 2020

**Teaching Assistant | Systems & Networks (CS 2200)**

📍 Atlanta, GA

- Hold weekly recitations to instruct over **50** students on computer systems and networking concepts.
- Design and grade homework, exams, and projects, and hold office hours.

Amazon Web Services

📅 May 2020 - July 2020

**Software Development Engineer Intern | Networking Core**

📍 Cupertino, CA

- Worked with LightCycle, a network health tool used **thousands** of times per day for testing device connectivity.
- Improved LightCycle exception classification and added two new exit codes to better inform stakeholders of next steps.
- Used AWS resources to create a canary, a service to monitor LightCycle status, publish metrics, and automatically create tickets every **hour**, to ensure LightCycle availability and reliability.

Georgia Tech Bits of Good

📅 Aug. 2019 - Current

**Engineering Manager**

📍 Atlanta, GA

- Lead a team of **six** developers to build a website for nursing home regulatory nonprofit, Ombudsman, allowing government officials to search for/filter PDFs by keywords and administrators to manage/update documents. [final product](#)
- Assigning sprint issues, lead engineering meetings, and coordinated between product manager, designers, and developers.

**Junior Developer**

- Worked with child trauma services nonprofit, Philadelphia Alliance for Child Trauma Services to develop an interactive resource map to filter and search for nearest support centers by location and category. [final product](#)

Georgia Tech Research Institute

📅 May 2019 - July 2019

**Research Intern | Electro-Optical Systems Lab**

📍 Atlanta, GA

- Developed a Python module to transform LiDAR data into a 3D point cloud (a.k.a 3D map) and added multi-threading for a **2x speed-up** over previous Matlab library.
- Improved land vs. water classification algorithm by **75%** using a k-d tree for spatial partitioning.

Georgia Tech Interactive Computing

📅 Aug. 2018 - April 2019

**Research Assistant | SPUD (Security, Privacy, Usability, and Design) Lab**

📍 Atlanta, GA

- Created a mobile Android application to allow users/friends to "poke" and notify others of security and data breaches.
- Worked with Assistant Professor Sauvik Das for research in social cybersecurity.

## projects

Georgia Tech Volleyball Spike

📅 Nov. 2018 - Sept. 2019

**Georgia Tech Sports Hackathon**

📍 Atlanta, GA

- Built a web analytics tool for the **GT volleyball coach** to visualize the height and intensity of players' jumps during games.
- Developed an automated web scraper to transfer player data to local database.

Georgia Tech Course Tracker

📅 May 2019

- Built a web app to track courses and notify me of seat openings realtime.

## skills

**Languages:** Python, Javascript, Java, C | **Technologies:** React, Git, Flask, AWS Resources

fun fact: Hattie B's Hot Chicken makes up 1/10 of my body mass.