

# Robert Sturman

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## SKILLS SUMMARY:

I am highly motivated and always pushing for my next goal. With 3 years of schooling at the University of South Carolina, I've achieved my Bachelor's degree with a major in Computer Science and a minor in Mathematics at breakneck speed, even during the height of Covid. During my time there, I've led and helped develop multiple school projects from start to finish and pushed hard to keep my grades up, all while taking on a four-year course within three years. Additionally, I've interned at a local school district for IT work, diagnosing and solving multiple problems over the summer. I'm a good motivator, a great leader, and an even greater team player.

- As an IT Intern, I was responsible for detecting and fixing multiple issues throughout the summer. Included are re-domaining an entire school after it was decided to split two schools sharing the same subdomain (without creating a feedback loop), figuring out that the Promethean boards were not updating due to an issue with the district's firewall, and general debugging and fixing of various objects, such as laptops, wireless access points, or ethernet cables.
- During my degree, I led multiple large projects, one of which spanned over the course of two semesters. During each of those, I made sure each member was on the same page, set deadlines for us to reach our goal, and assisted with any member that was falling behind. Through this, I was able to assure an outstanding assessment by the professor once all the projects were due.
- Researched and managed a cloud-based webserver, which serves as the base for my degree's Capstone project. Doing this was imperative to the application, as without it being up on the internet, there's no way to use or test it without building and running the application on one's own computer.

- Fluent in many programming languages, such as Golang, Java, C++, Kotlin, Prolog, and many more. In addition, I've had experience in deep learning AI, developing mobile applications (specifically for Android), and managing a GitHub repository.

## **EMPLOYMENT HISTORY**

As an IT Intern, I was everywhere and anywhere anyone working any form of IT could be. I was working under Phone Engineers, Field Technicians, Software Engineers, and even Project Managers. Managing server rooms, testing for ethernet cable breaks, re-domaining computers, arranging and re-arranging phone lines, running behind-the-scenes at an event, and testing the school district's firewall are a few of the duties I upheld during my summer internship.

- General skills required in this position include utilizing the school's network to change multiple properties of routers and their connected devices remotely through a computer's console (such as changing a port number to align to a security camera instead of a general ethernet port, or changing the user on a Cisco brand phone), using a cable tester to determine where a break in an ethernet cable is (and consequently, how to fix/rewire said broken cable), re-domaining computers using an on-boot program, and an excellent "customer service" attitude to better assist those who need their machines fixed.
- I was responsible for determining that the firewall was blocking the URL the Promethean boards from getting proper updates, and even sometimes connecting to the internet entirely. In essence, for some select schools, the firewall was preventing access to a URL that all Promethean board reroute to on startup to check the validity of their current operating system. That was found by me, using a properly-domained laptop in attempt to reach that URL. Finding this prior to the school year starting helped relieve a great deal of stress for the teachers at those schools and helped the transition into the new school year much easier for them.

This internship lasted for the summer of 2022 (May – August).

## **ACCOMPLISHMENTS**

- 2023 Led capstone project team into successfully publishing a demo of our project online using Golang and webhosted it with AWS. o I was specifically in charge of Test-Driven Development and AWS integration, but I also took on additional tasks such as making a function to call what is essentially a “script” file and make the server run the code in the file line by line, and output the results.
- 2023 Set up personal website on GitHub to allow recruiters to see what I can provide from just a click: <https://twofishsticks.github.io/>
- 2020-2023 Graduated from the University of South Carolina in 3 years, even through Covid.

## **COMPUTER SOFTWARE**

- Fluent/High Knowledge  
Golang, Java, C++, GitHub, Windows
- Knowledgeable/Medium Knowledge  
Python, Prolog, Kotlin, AWS, Bash, IOT, Excel, SQL, UNIX/Linux
- Experienced/Low Knowledge Haskell, Assembly, R

## **ADDITIONAL TRAINING**

- Interned at Charleston County School District (see Employment History).

## **EDUCATION**

**BA** – Major in Computer Science, Minor in Mathematics, University of South Carolina, Columbia, South Carolina: May 2023 (GPA: 3.39)  
Deans List (3 Times)

## **REFERENCES:**

- Robert Nardone – Senior Field Technician 908-499-1657 (p) [robert.nardone@outlook.com](mailto:robert.nardone@outlook.com)

- Tom Nawrocki - Executive Director of Information Technology 843-308-8181(p)  
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