



# Sam Knight

sknight2@ithaca.edu • github.com/robog-two

## Education

### Ithaca College

Ithaca, NY • 2024-Present

*Pursuing a Bachelor's Degree in Computer Science*

Relevant coursework:

Computer Networks, Computer Systems I (C, Assembly), Business Statistics, Discrete Structures, Intro to Data Structures, Principles of Computer Science II

### Niceville High School

Niceville, FL • 2020-2024

*GPA Weighted 4.56 • SAT 1520*

Relevant coursework:

AP Calculus AB, AP English Literature & Composition, AP English Language & Composition, AP Chemistry, AICE Sociology, AP Psychology, AP World History.

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## Experience

### Localify.org

Ithaca, NY • Sep 2025-Present

*Backend Developer (Spring Boot)*

- Implemented a plan to improve code quality with CI/CD and issue tracking.
- Containerized the development environment with Podman eliminating setup time for new developers and improving code testability in local environments.
- Leveraged Large Language Models to create documentation for 100% of methods.

### Niceville High School Eagle Echo

Niceville, FL • Sep 2022-Present

*Podcast Writer & Host, Page Editor (2022-2024), Website Manager (2022-Present)*

- Managed a website with CloudFlare and a NodeJS build pipeline to efficiently serve 44k unique requests for local news per month.
- Created a podcast brand and advertisements, accumulating more than 100 podcast downloads from students across platforms.
- Designed a clean and readable page layout and iconography in a paper that was presented first place in design at Troy University's Journalism Day.

### Walmart, Inc.

Niceville, FL • Nov 2022-Nov 2023

*Frontend Team Associate*

- Leveraged problem solving skills to resolve customer payment processing issues and WiFi connectivity problems with Zebra and Samsung work devices.
- Cataloged missing items and solved inventory discrepancies, reducing YOY loss.

## **Niceville High School Debate Team**

**Niceville, FL • Sep 2021-May 2023**

*Student Congress Co-Captain (2021), Student Congress Captain (2022-2023)*

- Prepared our team by hosting discussions of current events in geopolitics, and members of our team placed 4th or above at every competition.
- Wrote and performed speeches to defend our team's legislation proposals, earning the NSDA Merit award for receiving over 50 points at various tournaments.

## **FIRST Robotics**

**Freeport, FL • Sep 2020-May 2022**

*Programmer*

- Wrote C++ code and used computer vision libraries to complete autonomous challenges, competing in the 2020 virtual competition.
- Participated in the Samsung Solve for Tomorrow challenge, where our team won \$2,500 and additional Chromebooks for developing and submitting an Android app.

## **Hobby Minecraft Server**

**Niceville, FL • Jun 2020-Mar 2022**

*Systems Architect & Server Administrator*

- Modernized legacy Java code to make Minecraft game servers compatible with industry-standard secure and scalable technologies.
- Used Docker, MongoDB, and Redis, as well as WordPress, SQL (MariaDB), and other technologies to turn a hobby project into a learning opportunity.
- Gained IT security knowledge to protect the server from cyber threats with linux firewalls and second-hand enterprise network hardware.

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## **Academic Awards/Honors**

- AP Scholars with Distinction Award 2023
- Troy University J-Day 2023 for #1 newspaper in design, and #1 in multimedia reporting
- NSDA Merit Award 2022 for excellent debate performance throughout the season
- 2nd Place Winner for SLAM Poetry at Florida Civics & Debate 2022 Tournament
- Samsung Solve for Tomorrow State Semifinalists for my team's 2022 app proposal
- Incubate Debate Winter 2021 semifinalist, for arguments about US policy in Afghanistan

## **Additional Skills**

UNIX command line, linux system administration, IntelliJ IDEA, PyCharm, GitHub, git with gpg for commit signing, test-driven development. Versed in JavaScript, Kotlin, C & Python.

