



Sam Knight

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Education

Ithaca College

Ithaca, NY ◦ 2024-Present

Pursuing a Bachelor's Degree in Computer Science

Relevant coursework:

Algorithms, Software Engineering, Computer Networks, Computer Security, Computer Systems, Discrete Mathematics, Data Structures, Business Statistics

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 Docker 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-May 2024

Podcast Writer & Host, Page Editor

- 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

- 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.

